

REMEDIATION INVESTIGATION REPORT

**VOLUME B - SOIL - TEXT, FIGURES,
TABLES AND APPENDICES**

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LIST OF ACRONYMS

2,4-DNT	2,4- Dinitrotoluene
2,6-DNT	2,6-Dinitrotoluene
2,4/2,6-DNT	2,4/2,6-Dinitrotoluene
2-A-DNT	2-Amino-4,6-Dinitrotoluene
4-A-DNT	4-Amino-2,6-Dinitrotoluene
AN	Ammonia-Nitrate
AOC	Area of Concern
AQAPP	Analytical Quality Assurance Project Plan
BBP	Benzyl Butyl Phthalate
bgs	Below Ground Surface
BIS2EHP	Bis(2-Ethylhexyl) Phthalate
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
BZAA	Benzo(a)anthracene
BZAP	Benzo(a)pyrene
BZBF	Benzo(b)fluoranthene
BZD	Benzidine
BZKF	Benzo(k)fluoranthene
C	Celsius
COC	Chain-Of-Custody
DBAHA	Dibenz(a,h)anthracene
DCBZ14	1,4-Dichlorobenzene
DDNP	Diazodinitrophenol
DEPH	Diethyl Phthalate
DNB13	1,3-Dinitrobenzene
DNBP	Di-N-Butyl Phthalate
DNP24	2,4-Dinitrophenol
DPHY12	1,2-Diphenylhydrazine
DQOs	Data Quality Objectives
DUP	Duplicate
E&E	Explosive and Energetic
EQB	Equipment Blank
Facility	Kenvil Works Facility
FECs	Frequent Exceedance Constituents
FQAPP	Field Quality Assurance Project Plan
FSPM	Field Sampling Procedures Manual
ft.	Foot/feet
GC/MS	Gas Chromatograph/Mass Spectrometer
g	Gram
GPS	Global Positioning System
GSLIB	Geostatistical Software Library and Users Guide, 2 nd Edition
GWQS	Groundwater Quality Standards
GW-SI	Groundwater Site Investigation
Hercules	Hercules Incorporated
HMX	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine

LIST OF ACRONYMS (Continued)

IA	Immunoassay
IAAP	Indiana Army Arsenal Procedure
IGWSCC	Impact to Groundwater Soil Cleanup Criteria
in.	Inch/inches
INP123	Indeno(1,2,3-c,d)pyrene
ISRA	Industrial Site Recovery Act
LCS	Laboratory Control Samples
LCSD	Laboratory Control Sample Duplicates
LLI	Lancaster Laboratories, Inc.
MDL	Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MTBE	Tert-Butyl Methyl Ether
MTLNCL	Methylene Chloride
MWH	MWH Americas, Inc.
N.J.A.C.	New Jersey Administrative Code
NC	Nitrocellulose
NG	Nitroglycerin
NJDEP	New Jersey Department of Environmental Protection
NJSCC	New Jersey Soil Cleanup Criteria
NNSM	N-Nitrosodimethylamine
NNSPH	N-Nitrosodiphenylamine
NNSPR	N-nitrosodi-N-Propylamine
NRDCSCC	Non-Residential Direct Contact Soil Cleanup Criteria
NS	No Standard
PAHs	Polynuclear Aromatic Hydrocarbons
PARCC	Precision, Accuracy, Representativeness, Comparability and Completeness
PCBs	Polychlorinated Biphenyls Polychlorinated biphenyls
PETN	Pentaerythritol Tetranitrate
PHCs	Petroleum Hydrocarbons
PID	Photo-ionization Detector
PP+40	Priority Pollutant +40 List
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance / Quality Control
RA	Remedial Agreement
RASR	Remedial Action Selection Report
RDCSCC	Residential Direct Contact Soil Cleanup Criteria
RDX	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine
RI	Remedial Investigation
RIR	Kenvil Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SB	Soil Boring
SCC	Soil Cleanup Criteria

LIST OF ACRONYMS (Continued)

SDG	Sample Delivery Group
SI	Site Investigation
SO	Soil
Soils – SI	Soils Site Investigation
SOPs	Standard Operating Procedures
sq.	Square
SSHSP	Site Specific Health and Safety Plan
SVOCs	Semi-Volatile Organic Constituents
SW/SD	Surface Water/Sediment
TB	Trip Blank
TCE	Trichloroethylene
TNT	2,4,6-Trinitrotoluene
TP	Test Pit
TR	Trench
TRSR	Technical Requirements for Site Remediation
USEPA	United States Environmental Protection Agency
XRF	X-Ray Fluorescence
WWI	World War I
VOCs	Volatile Organic Constituents

1.0 INTRODUCTION

Hercules Incorporated (Hercules) retained MWH Americas, Inc. (MWH) to conduct a Remedial Investigation (RI) at the Kenvil Works Facility (Facility), located in Kenvil, New Jersey, as part of its 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 Facility under New Jersey's Industrial Site Recovery Act (ISRA).

This section of the Kenvil RI Report (RIR) is Volume B and presents the soil portion of the RI. This soil volume of the RIR expands on the Soils Site Investigation (Soils-SI), which was completed in 2004 (MWH, 2004) and approved by NJDEP in 2005 (Appendix A). The approach and organization of this RIR complies with requested variances to the New Jersey Administrative Code (N.J.A.C.) 7:26E Technical Requirements for Site Remediation (TRSR), with concurrence of the NJDEP Case Management team through the use of the triad approach. Variances were discussed in routinely scheduled triad approach meetings and teleconferences held to discuss the development, submission, and subsequent review of the RIR. Triad approach meetings/teleconferences were attended by the NJDEP, Hercules, and Hercules' consultants and documented in written meeting minute notes which are presented in Volume A of the RIR.

In addition to the findings of the Soils-SI, professional judgment based on extensive historic Explosive and Energetic (E&E) manufacturing operations was considered throughout site investigation activities. Key personnel consulted included Harry Pascoe (Facility Historian and former Employee), Karl Broton (former Facility Employee), Peter Braxton (former Facility Employee and Area Manager), Raymond Hunt (former Facility Safety and Environmental Manager), James Bevis (present Facility Manager), and Edward Meeks (Energetic Materials Specialist).

The RIR is presented in five volumes because of the comprehensive coverage of the RI effort and the volume of the acquired analytical data. The intent of this soil volume is to provide a comprehensive stand-alone document focusing on a single media of concern to facilitate review of the RIR. However, to truly make the soil volume an independent

document, it would have required a duplication of information that is more effectively presented in other volumes of this RIR. Therefore, from time to time, the reviewer may find it necessary to refer to other volumes of this RIR.

The RIR is organized into the following volumes:

- Volume A – RI Summary Document. This volume of the report presents RI objectives, brief summary of scope of work, data quality control objectives, brief summary of regional and site-specific geologic and hydrogeologic conditions, site conceptual model, ecological receptor analysis, brief summary of results, and conclusions and recommendations;
- Volume B – Soil remedial investigation;
- Volume C – Groundwater remedial investigation;
- Volume D – Sediment remedial investigation; and,
- Volume E – Surface Water remedial investigation.

This volume describes the results and interpretation of soil RI activities conducted at the Facility. This volume is designed to comply with the intent of the TRSR for reporting remedial investigation activities (N.J.A.C. 7:26E-4.8), derived from the implementation of the NJDEP approved Area I Remedial Investigation Work Plan (Area I RIWP, MWH, 2005) that was later replaced by the Revised Site-Wide Remedial Investigation Work Plan (Revised Site-Wide RIWP) (MWH, 2006). The purpose of revising/replacing the Area I RIWP was to incorporate Areas II and III and evaluate the Facility on a site-wide basis to streamline the investigation process and expedite restoration activities. In addition to the Revised Site-Wide RIWP, numerous verbal communications between Hercules and the former NJDEP Case Manager (Mr. Paul Harvey) using the triad approach evaluated the progress of the RI and served as a mechanism to refine field activities.

1.1. RI OBJECTIVES

The objectives of the RI as described in N.J.A.C. 7:26E-4.1 are to determine the following:

- Delineate the horizontal and vertical extent of contamination in all media;
- Determine the general surface and subsurface characteristics of the Facility;
- Identify the migration paths and actual or potential receptors of contaminants;
- Collect and evaluate the data necessary to evaluate remedial action alternatives;
- Collect the data necessary to evaluate actual and potential ecological impacts;
- Collect data necessary to develop permit limitations for any discharge to environmental media; and,
- Identify containment and/or stabilization activities to prevent contaminant exposure to on-site receptors and to prevent off-site migration of contaminants while remedial alternatives are being evaluated.

1.2. REPORT ORGANIZATION

This soil volume is further organized as follows:

- Section 1 presents the RI objectives and organization of this volume;
- Section 2 presents a detailed description of field and laboratory activities conducted in support of the soil remedial investigation;
- Section 3 presents the data quality control discussion;
- Section 4 presents regional and site specific geology and hydrogeology;
- Section 5 presents analytical results and findings for soil; and,
- Section 6 presents conclusions for the soil remedial investigation.

2.0 SCOPE OF WORK

The following sections summarize the field sampling scope of work and laboratory analyses for soil samples collected during the RI. The scope of work implemented in the RI was specified originally in the Area I RIWP that was replaced by the Revised Site-Wide RIWP. In addition, modifications or refinements made to field activities through the use of the triad approach are included in this section. The scope of work was developed in accordance with the TRSR (N.J.A.C. 7:26E-4.5) and the New Jersey Field Sampling Procedures Manual (FSPM, August 2005). The scope of work for RI soil sampling included the following activities:

- Utility clearance prior to invasive subsurface field activities;
- Health and safety field screening for E&E constituents;
- Air monitoring for Volatile Organic Constituents (VOCs);
- Collection of 1,287 horizontal and vertical delineation soil samples from 603 sample locations for laboratory analysis (Figure B-1) to define the nature and extent of constituents present at concentrations exceeding the applicable soil cleanup criteria; and,
- Collection of 8 soil samples from 8 sample locations at 7 trenches located within areas believed to use hydraulically operated equipment to determine if historic releases occurred (Figure B-1).

The scope of work was conducted in the following areas of the Facility during a single phase of investigation (Figure B-1):

Area I – RI, areas north and east of Powder Mill Road (B-Line, Finishing, Storage, eastern portions of Development, and portions of Miscellaneous/Offsite former operational areas).

Area II – RI, areas south and west of Mule Barn Road (Nitroglycerin (NG), Pentaerythritol Tetranitrate (PETN), TNT, Dynamite, and portions of Miscellaneous/Offsite former operational areas).

Area III – RI, central portions of the Facility (A-Line, Maintenance, Ammonia-Nitrate (AN), Diazo, Western Development, and portions of Miscellaneous/Offsite former operational areas).

Detailed descriptions of field tasks are provided in the Area I RIWP and the Revised Site-Wide RIWP. Sample handling, quality assurance/quality control (QA/QC) procedures, and analytical methodologies are provided in the Final Analytical Quality Assurance Project Plan (AQAPP, MWH, 2006). Field procedures and methodologies are provided in the Final Field Quality Assurance Project Plan (FQAPP, MWH, 2006). Health and safety protocols are provided in the Site Specific Health and Safety Plan (SSHSP, MWH, 2005).

Field analysis utilizing immunoassay (IA) and X-Ray Fluorescence (XRF) real-time data measurement methods were not performed during the RI. Following verbal discussions with the NJDEP and finalization of the Revised Site-Wide RIWP, it was determined that all samples would be submitted to a NJDEP certified laboratory.

The active firing range, which includes a single trap field and handgun range, was not included in the scope of this investigation. The active firing range, located in Grids N13 and O13, is a recreational area and is used by the Hercules Sportsman's Club, Roxbury Township Police, and Mount Olive Police. Activities performed at the active firing range are not associated in any manner with the commercial operations performed at the Facility. There is no present intention of ceasing recreational firearm use at the active firing range.

2.1. UTILITY CLEARANCE

Prior to conducting invasive subsurface field activities, MWH coordinated with Hercules personnel to determine the location of underground utilities in the areas where intrusive field investigation activities took place. The Facility base map and other available historic maps detailing utility locations were utilized.

2.2. HEALTH AND SAFETY FIELD SCREENING FOR E&E CONSTITUENTS

Soil samples were visually inspected and field screened with an EX-PRAY™ colorimetric E&E detection test kit for the presence of E&E constituents prior to

initiating sampling activities, to ensure the safety of field and laboratory personnel. If E&E constituents were visually identified at any time during the sampling event, the project energetic materials specialist was notified and personally inspected the area. The energetic materials specialist determined if the concentration of E&E constituents was significant and if the sampling activities could be safely conducted. Upon sample collection, a representative aliquot of the sample was field screened with the EX-PRAY™ test kit. If E&E constituents were detected, the lab was notified of the presence of E&E constituents and anticipated concentrations to ensure the samples were handled properly.

The EX-PRAY™ E&E constituent detection test kit is an aerosol based technique that utilizes a patented paper and colorimetric reaction to identify E&E constituents down to residual levels. This kit can differentiate between polynitro-aromatics (2,4,6-Trinitrotoluene (TNT), picric acid, etc.), nitrate esters (nitroglycerin (NG), nitrocellulose (NC), etc.), and nitramines (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX), Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX), etc.). The EX-PRAY™ kit, however, does not provide conclusive contaminant concentration data; it is designed only to determine if E&E constituents are present in ranges from residual levels to near percentage concentrations. However, a trained sampler with sufficient experience can broadly estimate anticipated concentration ranges. The manufacturers' information and instructions for performing the EX-PRAY™ tests are included in Appendix A of the FQAPP.

There were no instances where E&E constituents warranted a modification of the soil sampling program.

2.3. AIR MONITORING FOR VOCs

Field screening for the presence of VOCs was conducted continuously during the collection and handling of soil samples for the purpose of health and safety screening in the breathing zone and to bias sample collection to the interval with the highest probability of VOCs present above applicable soil cleanup criteria. The field screening was performed with a photo-ionization detector (PID, Mini Ray 2000) using a standard

10.6 electron volt lamp. Section 5.2 of the FQAPP (MWH 2006) presents the VOC screening procedure.

2.4. SOIL SAMPLING

Results from the analyses performed on soil samples collected in both the SI and RI are presented in this volume of the RIR. A total of 2,014 soil samples were collected from 2,011 soil sample locations during the SI (per N.J.A.C. 7:26E-3.6). This total number of samples includes samples collected during the Soils – SI (1,985) in addition to 29 sediment samples that were collected during the Surface Water/Sediment (SW/SD) – SI (MWH, 2004) (Refer to note at the end of this section). A total of 1,295 soil samples were collected from 611 soil sample locations during the RI (per N.J.A.C. 7:26E-4.1(b)). Figure B-1 presents the RI and SI soil sample locations. This section presents the soil sampling procedures used during implementation of the RI. The SI soil sampling procedures are described in the Soils – SI (Appendix A).

The soil sampling approach used in the SI focused toward individual areas of concern (AOCs). The RI soil sampling effort focused primarily on site-wide soil quality using a grid-based sampling approach to define the nature and extent of constituents present at concentrations exceeding the applicable soil cleanup criteria identified in the SI. In addition to site-wide soil quality, the RI also evaluated AOCs that during implementation of the SI were determined through either pre-existing data or professional judgment that various constituents would exceed applicable soil cleanup criteria. RI soil sampling efforts also evaluated the potential of releases from historic hydraulic oil pipelines that supported smokeless powder manufacturing.

Soil samples were collected during the RI to establish the horizontal extent of surficial constituents detected at concentrations exceeding the applicable soil cleanup criteria per N.J.A.C. 7:26E-3.6(a)5. These samples were collected from a 6-inch (in.) interval from zero to 2.0-feet (ft.) below the ground surface (bgs) biased to the interval with the highest potential environmental concern. One horizontal delineation sample was collected from each sample location. The sample was field screened for the presence of VOCs and

E&E, and visually observed for evidence of an environmental concern (e.g., discoloration, odor, etc.) using professional judgment.

Soil samples were collected during the RI to establish the vertical extent of constituents detected at concentrations exceeding the applicable soil cleanup criteria, per N.J.A.C. 7:26E-3.6(a)6. These samples were collected from the first 6-in. interval of native soils encountered. Up to three vertical delineation samples were collected from each sample location depending on number of discrete soil layers observed. The samples were field screened for the presence of VOCs and E&E, and visually examined for evidence of an environmental concern (i.e., discoloration, odor, etc.) using professional judgment. If evidence of a potential environmental concern was observed, the first 6-in. interval below the potential environmental concern was sampled.

Soil samples were collected during the RI by a variety of sampling methods including direct push (Geoprobe™) methods, test pit excavations, soil coring, and hand augering. A description of the sampling methods used during the RI sampling efforts is provided in Section 7.0 of the FQAPP.

All soil samples collected in the RI except those collected for VOC analysis were homogenized in disposable aluminum pans prior to placement in laboratory provided bottleware. VOC samples were collected prior to homogenization from undisturbed soil contained in the sample collection device (i.e., Geoprobe™ macrocore, soil coring device, excavator bucket, etc.). An 8 to 12 gram (g) aliquot of soil was collected using a laboratory provided plastic soil sampling syringe and transferred into a methanol-preserved vial, following the methanol-preservation procedures provided in the NJDEP's Methodology for the Field Extraction/Preservation of Soil Samples With Methanol For Volatile Organic Compounds (February, 1997). Detailed field procedures are provided in Section 16.0 of the FQAPP.

After sample collection, the soil was visually logged and results of field screening for VOCs and E&E were noted on the boring logs. The boring logs are provided in Appendix B. If the sample was collected via the test pit sample collection method, a photograph was taken of the excavation. Appendix C presents the photolog for samples

collected via test pit excavations. Photographs for a portion of samples collected via test pit excavations were of poor quality or the camera malfunctioned and are not included in Appendix C.

All soil locations were surveyed in the field using a Trimble™ global positioning system (GPS) with sub-meter accuracy.

The methodology and procedures discussed above were utilized to collect all RI soil samples unless indicated otherwise in the sections below.

Note – The Soils-SI incorrectly indicated 1,998 samples were collected during the SI. The correct number of samples collected and submitted for laboratory analysis was 1,985. The total number of SI samples and locations referenced in this text encompasses samples collected during the Soils – SI (1,985) in addition to 29 sediment samples that were collected during the Surface Water/Sediment (SW/SD) – SI (MWH, 2004), resulting in a total of 2,014 samples. These 29 sediment samples were collected in stream segments, ponds, wet areas, or former ditches that no longer convey water. Following cessation of manufacturing operations and the subsequent demolition efforts, greater than 1,000,000 square (sq.) ft. of impervious foundations, walkways, and driveways were removed. The removal of the impervious surfaces greatly increased the natural infiltration of precipitation, and therefore significantly reduced or eliminated surface water runoff in some areas, causing segments of former drainage areas to become dry and no longer contain sediment. Samples collected from these areas are not included in Volume D – Sediment. They are included in this volume as these areas are no longer submerged and are now defined as soils. The following SI sediment sample locations were redefined as soils.

Remedial Area	Former Operational Area	Sample ID	Remedial Area	Former Operational Area	Sample ID
AREA I	B-Line	SD-J10-2-01	AREA II	NG	SD-D10-1-01
AREA I	B-Line	SD-K11-1-01	AREA II	PETN	SD-C10-2-01
AREA I	Development	SD-H6-1-01	AREA II	TNT	SD-B13-1-01
AREA I	Finishing	SD-I7-1-01	AREA II	TNT	SD-B13-2-01
AREA I	Finishing	SD-I8-1-01	AREA II	TNT	SD-B13-3-01
AREA I	Storage	SD-I10-2-01	AREA II	TNT	SD-C10-1-01
AREA I	Storage	SD-J10-1-01	AREA II	TNT	SD-C9-1-01

Remedial Area	Former Operational Area	Sample ID	Remedial Area	Former Operational Area	Sample ID
AREA I	Storage	SD-P4-1-01	AREA III	A-Line	SD-F8-1-01
AREA I	Storage	SD-P4-2-01	AREA III	A-Line	SD-F8-2-01
AREA II	Dynamite	SD-C14-1-01	AREA III	A-Line	SD-F9-1-01
AREA II	Miscellaneous/Offsite	SD-B14-1-01	AREA III	A-Line	SD-F9-2-01
AREA II	Miscellaneous/Offsite	SD-B14-3-01	AREA III	Diazo	SD-H8-1-01
AREA II	NG	SD-C10-3-01	AREA III	Maintenance	SD-H10-1-01
AREA II	NG	SD-C10-4-01	AREA III	Maintenance	SD-H9-1-01
AREA II	NG	SD-C11-1-01			

2.4.1 AOC-Based Soil Sampling Strategy

Before being replaced by the grid-based soil sampling strategy, the AOC-based soil sampling strategy was developed for the Area I RIWP. The Area I RIWP was followed for the Area I AOC-based soil samples. The general strategy was followed for soil sampling at SI AOCs reserved for the RI and vertical sample collection at SI AOC-based locations. However, the Revised Site-Wide RIWP was maintained to determine the vertical delineation sampling frequency. The following sections provide details of the scope and rationale of the AOC-based soil sampling performed during the RI.

2.4.1.1. Area I AOC-Based Soil Sampling

Limited RI samples were collected in Area I using the AOC-based approach. These samples were collected prior to the change in sampling strategy from the AOC-based sampling strategy to the grid-based sampling strategy. A total of 19 horizontal and vertical delineation samples were collected from 10 locations with an average depth of 2.9-ft bgs and a maximum depth interval of 5.0 to 5.5-ft bgs (Figure B-1). Soil samples were collected at 100-ft. intervals from select AOCs.

Up to three soil samples were collected at each location for laboratory analysis. The first sample was utilized to establish the horizontal extent of constituents detected at concentrations exceeding the applicable soil cleanup criteria. The remaining samples were utilized to establish the vertical extent of constituents detected at concentrations exceeding the applicable soil cleanup criteria. At each location, samples were analyzed for the analytical groups identified during the Soils-SI with applicable soil cleanup

criteria (Table B1-2). Table B2-2 presents the sampling and analysis plan for Area I AOC-based soil samples.

Soil boring logs are presented in Appendix B.

2.4.1.2. Vertical Sample Collection at SI AOC-Based Locations

During the RI, vertical delineation samples were collected via the test pit sampling method at select SI AOC-based locations where SI samples collected at depths greater than 2-ft. bgs indicated applicable soil residential cleanup criteria exceedances. A total of seven vertical delineation samples were collected at seven locations with an average depth of 7.6-ft. bgs and a maximum depth interval of 13.0 to 13.5-ft. bgs (Tables B2-2, B3-2, and B4-2) (Figure B-1). At each location, the samples were analyzed for the analytical groups identified during the Soils-SI with applicable soil residential cleanup exceedances (Table B1-2).

Soil boring logs are presented in Appendix B. Soil boring photographic logs are presented in Appendix C.

2.4.1.3. Soil Sampling at SI AOCs Reserved for the RI

Forty-three AOCs were reserved for the RI during the SI based on existing analytical data or if field observations (made during the SI) indicated that various constituents would likely exceed the applicable residential soil cleanup criteria. During the RIWP development process, one additional AOC (M5-3, Old Burning Ground) was added to this list (although sampled at the time of the SI, additional sampling was needed to define the horizontal and vertical extent of this AOC). All 44 AOCs are presented on Figure B-46 and Tables B2-1, B3-1, B4-1, and B5-1. From these AOCs, a total of 485 horizontal and vertical delineation samples were collected from 208 locations (Figure B-1) with an average depth of 5.7-ft. bgs and a maximum depth interval of 20.5 to 21-ft. bgs during the RI.

Exploratory Borings - Prior to sample collection from the four largest AOCs (B13-2, M5-3, M8-1, and N6-1), exploratory visual observation soil borings were advanced

around the perimeters to better define the actual boundaries of the AOCs. The initial perimeters of these AOCs were estimated during the SI and were based on historical site maps, topography, and professional judgment. Borings were placed at 100-ft. intervals along the anticipated perimeter of each of the four AOCs. A total of 80 borings were advanced to a maximum depth of 8-ft. bgs. No analytical samples were collected, but these soil borings were visually inspected and classified. Soil boring logs are provided in Appendix B.

Analytical Sampling - Soil sample locations were placed at the boundaries and center of each AOC reserved for the RI. Up to three soil samples were collected at each location for laboratory analysis. The first sample at each location was utilized to establish the horizontal extent of constituents detected at concentrations exceeding the applicable soil cleanup criteria. The remaining samples were utilized to establish the vertical extent of constituents detected at concentrations exceeding the applicable soil cleanup criteria. If field screening and professional judgment indicated that significant quantities of E&E were present, samples were not collected directly from the interval with the highest potential of environmental concern. In these cases, samples were collected directly below the interval due to health and safety concerns. This practice was used in a limited number of AOCs predominantly located in the TNT Area and western Dynamite Area.

Soil samples from the 44 AOCs were analyzed for the analytical groups identified during the Soils-SI with applicable soil residential cleanup criteria exceedances (Tables B1-2, B2-2, B3-2, and B4-2) with the exception of two AOCs. Samples from AOCs H8-1 and H8-584 were submitted for Priority Pollutant +40 (PP+40) list of Semi-volatile organic constituents (SVOCs) and E&E constituents, including Diazodinitrophenol (DDNP) analysis (Table B1-3). The analytical requirements for these AOCs were based on the analytical results of an exploratory sample collected during the SI. The results of the exploratory sample indicated that analysis of additional SVOCs and E&E constituents, beyond the RI analytical requirements, were necessary to complete characterization of these AOCs. These two AOCs are located within the same area and were sampled simultaneously; therefore analytical samples collected from both of these AOCs are designated as H8-1.

In the event field observations indicated the presence of an analytical group within a sample interval which was not specified in the SI, the analytical group was added to the analytical requirements for that sample. For example, if 2,4/2,6-DNT was observed via field screening then the SVOC analytical group, which includes 2,4/2,6-DNT, was added. Samples where an analytical group was added due to field observations are presented in Tables B2-1, B3-1, B4-1, and B5-1.

Soil boring logs are presented in Appendix B. Soil boring photographic logs are presented in Appendix C.

2.4.2 Site-Wide Grid-Based Soil Sampling Strategy

The majority of the RI samples were collected using a grid-based approach (Revised Site-Wide RIWP). A total of 776 horizontal and vertical delineation samples were collected from 385 locations with an average depth of 2.8-ft. bgs and a maximum depth interval of 9.5 to 10-ft. bgs using the grid-based sampling approach during the RI (Tables B2-2, B3-2, and B4-2) (Figure B-1). Soil sample locations were placed at a frequency of every 250-ft. The proposed sample locations were located in the field using a Trimble™ GPS with sub-meter accuracy. Sample locations were biased towards areas with higher potential of environmental concern in the vicinity of the proposed locations, such as former ditches, former testing ground, topographically low spots, or where surficial environmental concerns were visible (i.e., discoloration, stressed vegetation, etc.). The actual sample locations were typically within 10-ft. of the proposed locations; the actual coordinates were recorded using GPS once the field location was determined.

Up to three soil samples were collected at each location for laboratory analysis. The first sample was utilized to establish the horizontal extent of constituents detected at concentrations exceeding the applicable soil cleanup criteria. The remaining samples were utilized to establish the vertical extent of constituents detected at concentrations exceeding the applicable soil cleanup criteria. At each location, the first two samples were analyzed for the analytical groups identified during the Soils-SI with applicable soil cleanup exceedances (Table B1-2). In the event that a constituent exceeded the applicable soil residential cleanup criteria in the vertical delineation sample, the sample

location was re-visited and a third sample was collected at a greater depth, typically 4-ft below the previous sample, and analyzed for the exceeding analytical group.

It was only possible to collect horizontal delineation samples at sample locations within the Miscellaneous/Offsite Area,. The steep terrain of the prominent ridges in this area made access with large powered sample equipment infeasible. Therefore, the use of manual soil sampling equipment was necessary. Hand operated equipment could not be advanced to the depths attainable by powered equipment due to lithology (glacial till) therefore vertical delineation samples could not be collected. However, no known Facility operations were performed in this undeveloped area. As presented in Section 5.0, a very small percentage of samples collected exceeded the applicable soil cleanup criteria.

Soil boring logs are presented in Appendix B. Soil boring photographic logs are presented in Appendix C (if sample was collected via the test pit sampling method).

2.4.3 Hydraulic Oil Trench Investigation

The Facility operated hydraulically controlled presses as part of the smokeless gunpowder manufacturing process. Historically, the presses were operated with standard hydraulic oil conveyed through piping from centralized pump houses. The hydraulic oil was later replaced with a vegetable oil that was more cost effective and easier to manage. There are no records available for review concerning the operation or maintenance of the former hydraulic oil conveyance system and it is not known if historical releases occurred.

To evaluate the potential of historical releases from the former hydraulic oil conveyance system (i.e., piping) a series of seven trenches were excavated to intersect the water table in the areas the hydraulic oil piping was formerly present (Figure B-1). The trenches ranged in length from approximately 30 to 100-ft.

One soil sample was collected from each of the seven trenches, biased to the location of greatest potential environmental concern with the exception of one trench where two samples were collected due to field observations, which indicated two hydraulic lines

formerly existed. A total of eight trench samples were collected from eight locations from seven trenches with an average depth of 7.1-ft bgs and a maximum depth interval of 10.0 to 10.5-ft. bgs (Table B5-3) (Figure B-1). The sample selection process included visual observation, VOC screening with a PID, and professional judgment. These samples were analyzed for site-specific petroleum related VOCs such as Benzene, Toluene, Ethylbenzene, Xylenes (collectively referred as BTEX), Tert-Butyl Methyl Ether (MTBE), Polynuclear Aromatic Hydrocarbons (SVOC-PAHs), and petroleum hydrocarbons (PHCs) per the TRSR because hydraulic oil was the only potential source of environmental concern (Table B1-4). These samples were also submitted for fingerprinting analyses in an attempt to identify the specific type of petroleum product present, if any (Table B1-4).

Trench logs for three of the trench sample locations are presented in Appendix B. The trench logs for the remaining five trench sample locations were inadvertently misplaced after the RI field event and are not included in this report. Photographic logs for all eight trench sample locations are presented in Appendix C.

2.4.4 Recently Identified AOCs Not Previously Investigated

Eight additional AOCs (debris areas) were identified during implementation of RI field activities (Figure B-47). These areas appear to have been historically low-lying isolated portions of the Facility that were filled with debris (historic fill, scrap steel/iron, and general refuse).

Exploratory visual observation test pits were excavated in the center of each AOC. A total of nine test pits were excavated to a maximum depth of 9-ft. bgs. No analytical samples were collected, but these soil borings were visually inspected and classified. The intention of the test pits was to provide a preliminary assessment of the nature of the debris present within each area. Soil boring logs are provided in Appendix B and photos are presented in Appendix C. The recently identified debris areas will be addressed in the future actions work plan included in Volume A.

2.4.5 Sample Locations Proposed But Not Sampled

Due to the limited accessibility and difficulty of soil boring advancement caused by subsurface gravels, boulders, and limited soils, the sample locations listed in the following table were proposed in the Revised Site-Wide RIWP but samples were not able to be collected during the RI. However, due to the large number of samples collected (and the results of those samples discussed in Section 5.0), the intent of the RI was met and these samples were not necessary.

Remedial Area	Former Operational Area	Preliminary Location ID
Area I	B-Line	R-319
Area I	B-Line	R-330
Area I	B-Line	R-333
Area I	B-Line	R-344
Area I	B-Line	R-347
Area I	B-Line	R-349
Area I	B-Line	R-358
Area I	B-Line	R-360
Area I	Development	R-204
Area I	Development	R-208
Area I	Development	R-222
Area I	Development	R-299
Area I	Development	R-310
Area I	Storage	R-345
Area I	Storage	R-348
Area I	Storage	R-350
Area I	Storage	R-357
Area I	Storage	R-359
Area I	Storage	R-392
Area II	Dynamite	R-144

* = The preliminary location ID was established in the Revised Site-Wide RIWP.

2.5. SAMPLE IDENTIFICATION

All soil field analytical samples collected during the RI were designated with one of four alpha-numeric code types that uniquely identify each sample as being collected from a soil boring, test pit, hydraulic oil pipeline trench sample location, or non-sample-specific location for field or laboratory QA/QC. Formulation for each of the four codes is presented in the following sections.

2.5.1 Soil Boring Sample Identification

Soil sample locations were designated with an alpha-numeric code that identified each sample by the matrix sampled, primary field event, grid number, sequential sample number, depth interval, and field QA/QC type (if applicable). Sampled matrices were identified by a two-letter code (i.e., SB for soil boring samples). The primary field event was identified by a one letter code (i.e., R for RI) with the exception of Area I AOC-based samples. Area I AOC-based soil samples were identified by a letter and number code (i.e., R0 for remedial investigation AOC-based soil samples). The grid number corresponded to the facility grid location (i.e., A11). Sequential sample numbers at each new sampling location for each sample type began with 01 and increased accordingly. Depth intervals for soil samples included the depths to the top and bottom of the sample interval. Field QA/QC types were utilized if the sample was submitted as a sample-specific QA/QC sample (i.e., field duplicate (DUP), matrix spike (MS), matrix spike duplicate (MSD)).

The following is a guide for soil sample identification:

Matrix	Primary Field Event	Grid Number	Sequential Sample	Top and bottom of Sample Interval (ft. bgs)	Field QA/QC Type (if applicable)
AA	AN*	ANN	NN	(N-N)	(AA)

bgs = below ground surface

*Only soil samples collected from Area I AOC-based locations include a numeric character in the primary field event. All other samples only include an alphabetic character in the primary field event.

Where:

A = Alphabetic
N = Numeric

Examples of typical sample identifications for samples collected from soil locations are shown below:

- The first soil sample collected from Grid A11 from a depth interval of 1.0 to 1.5-ft. bgs (horizontal delineation sample) was labeled as SB-R-A11-01(1.0-1.5);
- The eighth soil sample collected from Grid A11 from a depth interval of 5.0 to 5.5-ft. bgs (vertical delineation sample) was labeled as SB-R-A11-08(5.0-5.5);
- The first Area I AOC-based soil sample collected from Grid M8 from a depth interval of 4.5 to 5.0-ft. bgs (vertical delineation sample) was labeled as SB-R0-M8-01(4.5-5.0);
- The fifth Area I AOC-based soil sample collected from Grid M8 from a depth interval of 0.5 to 1.0-ft. bgs (horizontal delineation sample) was labeled as SB-R0-M8-05(0.5-1.0),
- An MS soil sample collected from Grid A11 from a depth interval of 1.0 to 1.5-ft. bgs was labeled as SB-R-A11-01(1.0-1.5)_MS.

2.5.2 Test Pit Sample Identification

Test pit sample locations were designated with an alpha-numeric code that identified each sample by the matrix sampled, primary field event, grid number or AOC number, sequential sample number, depth interval, and field QA/QC type (if applicable). Sampled matrices were identified by a two-letter code (i.e., TP for test pit samples). The primary field event was identified by a one letter code (i.e., R for RI). The grid number corresponded to the facility grid location (i.e., A11). The AOC number corresponded to the SI AOC designation (i.e., C11-8572C). Sequential sample numbers at each new sampling location for each sample type began with 01 and increased accordingly. Depth intervals for soil samples included the depths to the top and bottom of the sample interval. Field QA/QC types were utilized if the sample was submitted as a sample-specific QA/QC sample (i.e., DUP, MS, MSD).

The following is a guide for soil sample identification:

Matrix	Primary Field Event	Grid Number	*AOC Designation	Sequential Sample	Top and bottom of Sample Interval (ft. bgs)	Field QA/QC Type (if applicable)
AA	A	ANN	AN	NN	(N-N)	(AA)

bgs = below ground surface

* = Only RI soil samples collected from AOCs identified in the SI include additional numeric and/or alphabetic characters after the grid number. All other test pit samples include only the grid number, followed by the sequential sample, depth interval, and applicable field QA/QC.

Where:

A = Alphabetic
N = Numeric

Examples of typical sample identifications for samples collected from test pit locations are shown below:

- The first test pit soil sample collected from Grid A11 from a depth interval of 8.0 to 8.5-ft. bgs (vertical delineation sample) was labeled as TP-R-A11-01(8.0-8.5);
- The fifth test pit soil sample collected from SI AOC C11-8572C from a depth interval of 9.0 to 9.5-ft. bgs (vertical delineation sample) was labeled as TP-R-C11-8572C-05(9.0-9.5); and,
- An MS test pit soil sample collected from Grid A11 from a depth interval of 8.0 to 8.5-ft. bgs was labeled as TP-R-A11-01(8.0-8.5)_MS.

2.5.3 Soil Hydraulic Oil Pipeline Trench Sample Identification

Hydraulic oil pipeline trench samples were designated with an alpha-numeric code that identified each sample with a matrix code, primary field event, sample type, sequential sample number, depth interval, and field QA/QC (if applicable). Sampled matrices were identified by a two-letter code (i.e., SB for soil). The primary field event was identified by a one-letter code (i.e., R for RI). Sample type was identified by a two-letter code (i.e., TR for trench sample). Sequential hydraulic oil pipeline sample location numbers began

with 01 and increased accordingly at each new sampling location. Depth interval designations for hydraulic oil pipeline trench samples included the top and bottom depths of the sample interval. Field QA/QC types were utilized if the sample was submitted as a sample-specific QA/QC sample (i.e., DUP, MS, MSD).

The following is a guide for soil hydraulic oil pipeline trench sample identification:

Matrix	Primary Field Event	Sample Type	Sequential Sample	Top and Bottom of Sample Interval (ft. bgs.)	Field QA/QC Type (if applicable)
AA	A	NN	NN	(N-N)	AA

Where:

A = Alphabetic

N = Numeric

Examples of typical sample identifications for samples collected from hydraulic oil pipeline trench sample locations are shown below:

- Hydraulic oil pipeline trench soil sample collected from location 02 from a depth interval of 5.0 to 5.5-ft. bgs was labeled as SB-R-TR-02(5.0-5.5); and,
- A field duplicate soil sample collected from location 02 from a depth interval of 5.0 to 5.5-ft. bgs was labeled as SB-R-TR-02(5.0-5.5)_DUP.

2.5.4 Non-Sample-Specific Locations for Field or Laboratory QA/QC Identification

Non-sample-specific locations for field or laboratory QA/QC were designated with an alpha-numeric code that identified each sample by the type of QA/QC, sample collection date, and matrix code (if applicable). The type of QA/QC sample was identified by a QA/QC code, (i.e., TB for trip blank). The sample collection date corresponded to the date the QA/QC sample was collected, using a mm/dd/yyyy format. Sampled matrices were identified by a two-letter code and indicate which matrix the QA/QC sample applies (i.e., SB).

The following is a guide for non-sample-specific field and laboratory QA/QC sample identification:

Type of QA/QC Sample	Sample Collection Date (mm/dd/yyyy)	Matrix Code (if applicable)
AA	NN/NN/NNNN	AA

Where:

A = Alphabetic
N = Numeric

Examples of typical sample identifications for non-sample-specific field and laboratory samples are shown below:

- An equipment blank (EQB) sample collected from decontaminated hand auger sampling equipment on June 21, 2006 was labeled as EQB-06212006-SO; and,
- A trip blank sample submitted on June 21, 2006 was labeled as TB-06212006.

- Note: Soil samples collected during the Soils-SI were designated in a similar format. Refer to Appendix A (Soils-SI) for a detailed description of soil site investigation sample identification.

2.6. LABORATORY ANALYSIS

During the RI, a total of 1,295 soil samples were collected from 611 sample locations for laboratory analyses, as identified below:

- 795 horizontal and vertical soil samples were collected from 395 AOC or grid based sample locations;
- Seven vertical delineation soil samples were collected from seven SI AOC-based locations;
- 485 horizontal and vertical delineation soil samples were collected from 208 locations from 44 AOCs reserved for the RI during the SI; and,
- Eight soil samples were collected from eight hydraulic oil pipeline trench sample locations from seven trenches.

Samples were submitted to Lancaster Laboratories, Inc. (LLI) of Lancaster, Pennsylvania, except for samples submitted for DDNP analysis (AOC H8-1). LLI is certified to provide laboratory services in the State of New Jersey (N.J. Certification No. 77011). DDNP analysis was performed by General Physics Laboratory (GPL) of Frederick, MD. GPL is certified to provide laboratory services in the State of New Jersey (N.J. Certification No. 60671).

With the exception of samples collected from the DDNP Ponds (H8-1) and hydraulic oil pipeline trench samples, the soil samples were analyzed for a site-specific suite of analytes based on the analytical results of the soil samples collected during the Soils-SI. Specifically, the RI analyte list is comprised of any constituent identified at concentrations exceeding the applicable soil cleanup criteria presented in the Soils-SI. Soil samples collected in the SI were submitted for laboratory analyses for portions of the PP+40 list. Table B1-1 presents the SI specific analytical requirements. Table B1-2 presents the RI specific analytical requirements (as identified by SI exceedances), including the soil specific constituent list and analytical method. Samples collected from the DDNP Ponds (H8-1) were analyzed for PP+40 list of SVOCs and E&E constituents, including DDNP (Table B1-3). The eight soil trench samples were analyzed for site-specific petroleum related VOCs (BTEX and MTBE), PAHs, and PHCs (Table B1-4). These samples were also submitted to LLI for fingerprinting analysis to identify the specific type of petroleum product present, if any.

Specific sample handling, QA/QC procedures, and analytical methodologies are provided in the AQAPP (MWH, 2005).

3.0 DATA QUALITY CONTROL

This section is a summary of the quality control review results for the soil samples collected as part of the RI. LLI performed the chemical analyses of all soil samples. All soil samples were validated by a third-party validator in accordance with the following Region II Standard Operating Procedures (SOPs) for data validation:

- Inorganics: Evaluation of Metals Data for the Contract Laboratory Program, United States Environmental Protection Agency (USEPA) Region II SOP HW-2, Revision 11, January 1992.
- Organics: Evaluation of Organic Data for the Contract Laboratory Program, USEPA Region II SOP HW-6, Revision 12, March 2001.
- Explosives: Explosives Residue SOP, USEPA Region II, Revision 1.3, September 1994.

Appendix D presents the data validation notes for each sample delivery group (SDG) pertaining to the RI. There were no sample results that were rejected for this project. The field samples and associated quality control samples were validated for the following parameters:

- VOCs using Method 8260B;
- SVOCs using Method 8270C;
- Total Polychlorinated biphenyls (PCBs) using Method 8082;
- Metals using Method 6010B/7471A;
- NC using Indiana Army Arsenal Procedure (IAAP);
- PHCs using Method 8015;
- NG using Method 8330;
- E&E using Method 8330; and,
- DDNP using Method 8330A modified.

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 may require the laboratory to implement corrective actions, or otherwise require qualification of the data. The

following is a 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 MS and 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 Region II SOPs as appropriate. There were no sample results that were rejected for this project. In the Region II SOPs for Explosives Residues (USEPA Region II 1994), the criteria required for rejection of E&E results for percent difference between the primary and secondary column exceeding 90% was not followed. If the percent difference was greater than 25%, the results were qualified as estimated, even if the percent difference was near or above 90%. The reported results with a high percent difference were considered usable since they were consistently reported by the laboratory from the primary column throughout the project, and the laboratory indicated the confirmatory column had five compounds that co-eluted.

3.1.1 Matrix Spikes/Matrix Spike Duplicate

MS and MSD samples were collected in the field and sent to the laboratory along with the field samples. If a field sample was not designated as an MS and MSD for a particular analysis, the laboratory provided MS results from the analytical batch, which were then used to assess accuracy. Data qualification was followed as specified in the Region II SOPs in cases where the accuracy limits were not met.

3.1.2 Laboratory Duplicates

Laboratory duplicates were analyzed as appropriate throughout the analytical program, with the exception of the E&E residues. Field duplicates were collected and utilized to

assess precision and accuracy for E&E analysis rather than laboratory duplicates. Field duplicates were collected for E&E analysis at the frequency specified in the AQAPP and were sent to the laboratory to be analyzed. In general, it is more difficult to collect a duplicate field sample and retrieve acceptable results than it is for the laboratory to analyze a sub-sample of a sample and retrieve acceptable results. Thus, the amalgamation of laboratory duplicates and field duplicates ensured that the quality of data was not affected by the lack of laboratory duplicates, and also enabled laboratory and field precision to be reviewed during data validation. Additionally, the laboratory analyzed MS, MSD, LCS, and laboratory control sample duplicates (LCSD). Those quality control samples were also evaluated for precision for this project. Data exceeding limits were qualified as specified in the Region II SOPs.

3.1.3 Laboratory Control Samples

LCS 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 SOPs.

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 SOPs.

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 Region II SOPs.

The laboratory's SOP for E&E analysis, as specified in the AQAPP, differed slightly from the USEPA methodology to accommodate specific laboratory requirements. The initial calibration for E&E residues required in the Region II criteria specifies triplicate injection of each of the five calibration levels. The initial calibration provided in the data

packages consisted of a single, six-point calibration with calculated relative percent differences reported for review of linearity. Data were not qualified due to the laboratory employing different calibration criteria than that specified in the Region II SOPs. However, analytical instrumentation was calibrated and met method criteria, and the laboratory performed routine quality control checks during analysis of the samples; thus no impact of the data was identified.

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. The blanks were analyzed per the method requirements. There were no data rejected due to anomalies identified in any of the blanks. Blank data were used to further qualify associated field data if applicable.

3.3. COMPLETENESS

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

The following anomalies were noted during the completeness review:

- SDG KVL70 - The laboratory noted that a trip blank was not received with the 4/12/06 sample shipment, however, a trip blank was included with the 4/4/06 sample shipment which was not originally listed on the COC. For the VOC analyses, the laboratory noted that the weight for several samples was outside the 8 to 12g requirement. The samples were analyzed for VOCs. The laboratory noted the nitrocellulose was not documented on the COC for several samples. The laboratory was contacted and the samples were analyzed for nitrocellulose. No validation was required because this anomaly was solely a documentation issue that was resolved prior to analysis.
- SDG KVL 72 - The laboratory noted that two extra samples were received in the shipment but were not on the COC: SB-R-I8-03(4.5-5.0) and SB-R-K8-02(0.5-1.0). The laboratory was contacted and the samples were analyzed. The laboratory noted that COC had extra "O's" in the sample IDs. No validation was required because this anomaly was solely a documentation issue that was resolved prior to analysis.

- SDG KVL85 - The laboratory noted that sample SB-R-N5-02(0.5-1.0) was received outside the weight of 8-12g for VOCs. The sample was analyzed for VOCs. No validation was required because this anomaly was compensated for by the laboratory and the results were based on the actual sample weight.
- SDG KVL86 - The laboratory noted that sample SB-R-O8-01(0.5-1.0) and SB-R-O8-01(5.5-6.0) should have been labeled SB-R-O8-O3. The laboratory was contacted and the samples were identified and analyzed. No validation was required because this anomaly was solely a documentation issue that was resolved prior to analysis.
- SDG KVM15 - The laboratory noted that one jar was received with no label and it was for SB-R-B13-04 at 9:45. The laboratory was contacted and the sample was identified and analyzed. No validation was required because this anomaly was solely a documentation issue that was resolved prior to analysis.
- SDG KVM60 - The laboratory noted the weight for sample 4818667 was outside the 8-12g criteria. The sample was analyzed for VOCs. No validation was required because this anomaly was compensated for by the laboratory and the results were based on the actual sample weight.
- SDG KVM 67 - Sample 4823181 was outside of the 8-12 g weight for the VOC analysis. The sample was analyzed for VOCs. No validation was required because this anomaly was compensated for by the laboratory and the results were based on the actual sample weight.
- SDG KVM71 - The sample weight for TP-R-K5-2-3(9.0-9.5) was outside 8-12g requirement. The sample was analyzed for VOCs. No validation was required because this anomaly was compensated for by the laboratory and the results were based on the actual sample weight.
- SDG KVM75 - The laboratory noted that the weight for sample 4829975 was outside the 8-12g requirement. The sample was analyzed for VOCs. No validation was required because this anomaly was compensated for by the laboratory and the results were based on the actual sample weight.
- SDG KVM78 - The laboratory notes that the weight for sample 4830920 was outside the 8-12g requirement. The sample was analyzed for VOCs. No validation was required because this anomaly was compensated for by the laboratory and the results were based on the actual sample weight.

There were SDGs in which the cooler temperature exceeded 4 degrees Celsius (C). Per Region II SOPs, samples were to be qualified if received at a temperature above 4 degrees C. For validation purposes, it was assumed that results were considered acceptable (no qualification) if the cooler temperature was below 5 degrees C.

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. The laboratory analyzed the field samples in accordance with the methods specified in the AQAPP. The laboratory method detection limits (MDLs) are compared to applicable soil cleanup criteria and summarized in Tables B1-9 and B1-10. SI sediment-soil samples do not have accurate MDL values due to erroneous electronic data deliverables (EDDs) received from the laboratory. Thus, MDLs for SI sediment-soil samples were not compared to applicable soil cleanup criteria. The actual practical quantitation limits (PQLs) of non-detected concentrations are compared to applicable soil cleanup criteria, and the comparison results are summarized in Tables B1-6 through B1-8. The reporting limits provided by the laboratory were elevated if the sample was analyzed at a dilution. Data were not qualified based on elevated reporting limits. Samples that were analyzed outside holding times were qualified as estimated if the sample was extracted or analyzed within two times the required holding time, per Region II SOPs.

3.5. SUMMARY OF DATA QUALITY 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, as qualified based on the laboratory-established acceptance control limits or Region II 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 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	DQO Met?	Comments
Sample documentation	Soil	100%	Yes	Discrepancies were noted by laboratory and resolved.
COC documentation	Soil	100%	Yes	Discrepancies were noted by laboratory and resolved.
Instrument calibration meets laboratory's specification	Soil	100%	Yes	Data exceeding criteria were qualified.
Analyte identification and quantification	Soil	100%	Yes	
Trip blanks for VOCs	Soil	1 per cooler	Yes	
Instrument blanks	Soil	GC -every 10 samples GC/MS – every 12 hours Metals – every 10 samples	Yes Yes Yes	
Laboratory method blank	Soil	1 per SDG	Yes	
Equipment blank	Soil	1 per day	Yes	Sampled as appropriate.
Laboratory precision and accuracy	Soil	100% within established limits for MS, LCS, duplicates, surrogates	Yes	Data exceeding precision and accuracy limits were qualified.
Laboratory MDLs<PQLs	Soil	100%	Yes	
LCS samples	Soil	100% within established limits per SDG	Yes	Data exceeding limits were qualified.
MS/MSD samples	Soil	5%	Yes	
Field duplicates	Soil	5%	Yes	

GC/MS = Gas Chromatograph/Mass Spectrometer

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 the Region II SOPs as applicable.

4.0 REGIONAL AND SITE SPECIFIC GEOLOGY AND HYDROGEOLOGY

The regional and site specific geology is discussed in detail in Section 4.0 of Volume C – Groundwater RIR, and illustrated on the following figures in Volume C:

- C-4-1 Bedrock geologic map;
- C-4-2 Bedrock surficial geologic map;
- C-4-3 Regional geologic cross section;
- C-2 Cross Section Location Map;
- C-3 Geologic Cross Section A-A';
- C-4 Geologic Cross Section B-B';
- C-5 Geologic Cross Section C-C'; and
- C-6 Geologic Cross Section D-D'.

5.0 RESULTS

The following sections present the results of the analytical soil samples collected during the Soils-SI and RI to determine the nature and extent of constituents present at concentrations exceeding the applicable soil cleanup criteria. The analytical results from both the SI and RI are presented in this section. Appendix A presents the Soils – SI Report. The Soil – SI analytical data was utilized to develop the RI-specific analyte list based on SI analytical results indicating constituents at concentrations exceeding the applicable soil cleanup criteria.

This section is designed to comply with the intent of the TRSR for reporting remedial investigations (N.J.A.C. 7:26E-4.8(b)). The results narrative is supported by data tables and figures that aid in data evaluation and presentation, per N.J.A.C. 7:26E-4.8(c).

The following tables present the number of soil sample locations and analytical samples collected during the Soils-SI and RI (Figure B-1):

Discrete SI/RI Sample Locations			
	Area I	Area II	Area III
Number of SI Sample Locations	878	477	627
Number of SI Sediment Sample Locations - SI Sediment Samples Considered as Soils	9	13	7
Number of RI Sample Locations – AOC and Grid-Based	202	116	77
Number of RI Sample Locations – AOCs Reserved for the RI during the SI*	101	74	23
Number of RI Sample Locations – DDNP Ponds	0	0	10
Number of RI Sample Locations - Trench Sample Locations	3	0	5
Total	1193	680	749
Site-Wide Total Number of Sample Locations = 2622			

* = Excludes AOC H8-1, DDNP Ponds

Note: Refer to Section 2.0 for sample category descriptions.

Total Number of SI/RI Samples			
	Area I	Area II	Area III
Number of SI Samples	878	480	627
Number of SI Sediment Samples Considered as Soils	9	13	7

Total Number of SI/RI Samples			
	Area I	Area II	Area III
Number of RI Samples – AOC and Grid-Based	409	234	159
Number of RI Samples – AOCs Reserved for the RI during the SI*	234	177	51
Number of RI Samples – DDNP Ponds	0	0	23
Number of RI Samples - Trench	3	0	5
Total	1533	904	872
Site-Wide Total Number of Samples = 3309			

* = Excludes AOC H8-1, DDNP Ponds

Note: Refer to Section 2.0 for sample category descriptions.

Breakdown of Horizontal/Vertical Delineation Samples			
	Area I	Area II	Area III
Number of Horizontal SI Samples	878	477	627
Number of Vertical SI Samples Collected	0	3	0
Number of Horizontal SI Sediment Samples	9	13	7
Number of Vertical SI Sediment Samples	0	0	0
Number of Horizontal RI AOC or Grid-based Samples	202	116	77
Number of Vertical RI AOC or Grid-based Samples	207	118	82
Number of Horizontal RI Samples Collected from AOCs Reserved for the RI*	101	74	23
Number of Vertical RI Samples Collected from AOCs Reserved for the RI *	133	103	28
Number of Horizontal RI Samples Collected from DDNP Ponds	0	0	10
Number of Vertical RI Samples Collected from DDNP Ponds	0	0	13
Number of Horizontal RI Trench Samples	3	0	5
Number of Vertical RI Trench Samples	0	0	0
Total Number of Horizontal Delineation Samples	1193	680	749
Total Number of Vertical Delineation Samples	340	224	123
Total Number of Horizontal and Vertical Delineation Samples	1533	904	872
Site-Wide Total Number of Horizontal Delineation Samples = 2622			
Site-Wide Total Number of Vertical Delineation Samples = 687			
Site-Wide Total Number of Horizontal and Vertical Delineation Samples = 3,309			

* = Excludes AOC H8-1, DDNP Ponds

Note: Refer to Section 2.0 for sample category descriptions.

5.1. SELECTION OF COMPARISON CRITERIA

The following sections present the regulatory criteria selected for comparison to the laboratory analytical results. During the initial comparison of NJDEP criteria to laboratory analyzed sample results, it was noted that some detected constituents did not have corresponding NJDEP criteria. Hercules selected alternate criteria for comparison to the detected constituents without established NJDEP criteria from other NJDEP recognized sources. In all cases, an established NJDEP criteria was first sought using NJDEP guidance.

The intent of using the alternate criteria is to provide a screening level indication for the evaluation of potential environment influence of detected constituents that are without established NJDEP criteria. Tables B1-2, B1-3, B1-4, and B1-5 present a complete list of the applicable soil criteria and sources applied in the RIR.

5.1.1 Soil Quality Standards

The analytical results of the soil samples were compared to the following regulatory criteria:

- NJDEP Soil Cleanup Criteria revised on May 12, 1999 (NJSCC 1999), including Impact to Groundwater Soil Cleanup Criteria (IGWSCC), Residential Direct Contact Soil Cleanup Criteria (RDCSCC), and Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC).
- Criteria for several E&E constituents, 2,4-Dinitrotoluene (2,4-DNT) and 2,6-Dinitrotoluene (2,6-DNT) (SVOCs) were provided to Hercules by NJDEP in a letter on June 19, 2003, including IGWSCC, RDCSCC, and NRDCSCC.
- Criteria for three SVOCs (1,2-Diphenylhydrazine (DPHY12), Benzidine (BZD), and N-nitrosodimethylamine (NNSM)) were obtained from the proposed New Jersey Draft Soil Remediation Standards published in the New Jersey Register on July 19, 2004, including IGWSCC, RDCSCC, and NRDCSCC.

For the purpose of this report, the term SCC (soil cleanup criteria) is used as a collective term and encompasses the aforementioned criteria sources as a whole. Table B1-1 presents the SI-specific analytical methods and the SCC available at the time of the SI. Tables B1-2, B1-3, and B1-4 present the RI-specific analytical compounds and the SCC

applied in the RI report. Several criteria have changed during the development of the RI report due to incorporation of the additional sources cited above. The updated criteria are summarized in Table B1-5. For the RI report, both SI and RI analytical results are compared to the updated criteria in Tables B1-2, B1-3, and B1-4. Due to the large volume of the SI data, the SI results have not been completely reproduced and included in the RI report. Instead, the SI exceedances are summarized only for the constituents with criteria updated since the SI (Table B5-9). In addition, SI Sediment analytical results compared to the SCC are presented in Table B5-10. The complete SI results and exceedances are provided in Appendix A of this report (Soils-SI report).

The NJDEP does not currently publish SCC for three SVOCs (DPHY12, BZD, and NNSM) and an alternate screening value was selected from the proposed New Jersey Draft Soil Remediation Standards published in the New Jersey Register on July 19, 2004 as part of the RIR development process. The analytes selected for laboratory analysis of soil samples during the RI were selected prior to locating the alternate soil screening values. Therefore DPHY12, BZD, and NNSM were not selected for analysis during the RI.

5.2. FREQUENT EXCEEDANCE CONSTITUENTS

Frequent exceedance constituents (FECs) are identified for each media to facilitate and focus the site-wide understanding of key media-specific constituent exceedances. FECs are generally defined as those constituents with significant percentages of detected concentrations above the corresponding media-specific criteria (determined by the number of exceedances divided by the total number of analyses for a specific constituent). The FEC concept was developed to provide a tool to assist RIR reviewers with assimilating an enormous amount of data in a timely and efficient manner. The concept will also be useful in a similar manner during development of the Remedial Action Selection Report (RASR) to identify constituents that will drive remedy selection. The FEC concept was not developed to provide a mechanism to eliminate any constituents of exceedance from future remedial action selection or compliance attainment.

The basis for establishing the specific percentage of exceedances beyond which a constituent is considered as a FEC varies from media to media, but it generally follows the rationale that by setting the percentage at an appropriate level, the nature and extent of the FECs thereby defined will reasonably represent the overall site-wide nature and extent of exceedances in that media.

Soil FECs are defined for the purpose of this report as constituents with detected concentrations exceeding the RDCSCC at relatively higher frequencies in each analytical group on a site-wide basis. The thresholds for each analytical group vary slightly, and are 5.5% (SVOCs), 5% (Metals), 2.5% (E&E) and 4% (Total PCBs). No VOCs were selected as FECs due the overall low frequency of RDCSCC exceedances of VOCs (less than 0.6%) (Figures B-3 through B-5, Tables B2-4, B3-4, B4-4, B5-6, and B5-7). The following nine FECs were identified for soil:

- SVOCs: Benzo(b)fluoranthene (BZBF), Benzo(a)pyrene (BZAP), and 2,4/2,6-Dinitrotoluene (2,4/2,6-DNT);
- Metals: Lead, Arsenic, and Thallium;
- E&E: NG and TNT; and,
- Total PCBs.

The following tables present each constituent detected through laboratory analysis in SI and RI soil samples and the relative frequency the constituent was detected at a concentration exceeding the IGWSCC, RDCSCC, and NRDCSCC. The relative frequency of IGWSCC, RDCSCC, and NRDCSCC exceedances is included in the table below to provide the reader with a comparison of detected constituents to all applicable criteria. However, only constituents with detected concentrations exceeding the RDCSCC at relatively higher frequencies in each analytical group were selected as FECs. The soil FECs are bolded in the tables.

VOCs – IGWSCC Exceedances:

Constituent	IGWSCC (µg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of IGWSCC Exceedances	Relative Frequency of IGWSCC Exceedances
Acrylonitrile	1000	206	296	296	1	0.34%
Benzene	1000	588	972	973	8	0.82%
Chlorobenzene	1000	421	648	648	1	0.15%
Methylene Chloride (MTLNCL)	1000	815	1336	1337	6	0.45%
Trichloroethylene (TCE)	1000	208	208	209	1	0.48%

VOCs – RDCSCC/NRDCSCC Exceedances:

Constituent	RDCSCC (µg/kg)	NRDCSCC (µg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of RDCSCC Exceedances	Relative Frequency of RDCSCC Exceedances	Total Number of NRDCSCC Exceedances	Relative Frequency of NRDCSCC Exceedances
Acrylonitrile	1000	5000	206	296	296	1	0.34%	0	0.00%
Benzene	3000	13000	588	972	973	6	0.62%	0	0.00%
Chlorobenzene	37000	680000	421	648	648	0	0.00%	0	0.00%
MTLNCL	49000	210000	815	1336	1337	0	0.00%	0	0.00%
TCE	23000	54000	208	208	209	0	0.00%	0	0.00%

SVOCs – IGWSCC Exceedances:

Constituent	IGWSCC (µg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of IGWSCC Exceedances	Relative Frequency of IGWSCC Exceedances
DPHY12	8	1251	1264	1267	0	0.00%
1,4-Dichlorobenzene (DCBZ14)	100000	689	803	809	1	0.12%
2,4-Dinitrophenol (DNP24)	10000	2293	2921	2926	2	0.07%
2,4/2,6-DNT	0.3	2486	3114	3119	551	17.67%
BZD	0.006	465	467	468	0	0.00%
Benzo(a)anthracene (BZAA)	500000	2300	2928	2932	0	0.00%
BZAP	100000	2300	2928	2932	0	0.00%
BZBF	50000	2299	2927	2931	1	0.03%
Benzo(k)fluoranthene (BZKF)	500000	2294	2922	2926	0	0.00%
Benzyl Butyl Phthalate (BBP)	100000	2294	2922	2926	1	0.03%
Bis(2-Ethylhexyl) Phthalate (BIS2EHP)	100000	2292	2920	2924	0	0.00%
Chrysene	500000	2300	2928	2932	0	0.00%
Di-N-Butyl Phthalate (DNBP)	100000	2292	2920	2924	4	0.14%
Dibenz(a,h)Anthracene (DBAHA)	100000	2300	2928	2932	0	0.00%
Diethyl Phthalate (DEPH)	50000	2292	2920	2924	1	0.03%
Indeno(1,2,3-c,d)Pyrene (INP123)	500000	2300	2928	2932	0	0.00%
N-nitrosodi-N-Propylamine (NNSPR)	10000	2292	2920	2924	0	0.00%
NNSM	0.001	578	591	594	0	0.00%
N-Nitrosodiphenylamine (NNSPH)	100000	2208	2836	2839	3	0.11%

SVOCs – RDCSCC/NRDCSCC Exceedances:

Constituent	RDCSCC (µg/kg)	NRDCSCC (µg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of RDCSCC Exceedances	Relative Frequency of RDCSCC Exceedances	Total Number of NRDCSCC Exceedances	Relative Frequency of NRDCSCC Exceedances
DPHY12	600	2000	1251	1264	1267	1	0.08%	0	0.00%
DCBZ14	570000	10000000	689	803	809	0	0.00%	0	0.00%
DNP24	110000	2100000	2293	2921	2926	0	0.00%	0	0.00%
2,4/2,6-DNT	940	4200	2486	3114	3119	177	5.67%	90	2.89%
BZD	2	8	465	467	468	4	0.85%	4	0.85%
BZAA	900	4000	2300	2928	2932	155	5.29%	43	1.47%
BZAP	660	660	2300	2928	2932	188	6.41%	188	6.41%
BZBF	900	4000	2299	2927	2931	228	7.78%	60	2.05%
BZKF	900	4000	2294	2922	2926	102	3.49%	19	0.65%
BBP	1100000	10000000	2294	2922	2926	0	0.00%	0	0.00%
BIS2EHP	49000	210000	2292	2920	2924	1	0.03%	0	0.00%
Chrysene	9000	40000	2300	2928	2932	15	0.51%	1	0.03%
DNBP	5700000	10000000	2292	2920	2924	0	0.00%	0	0.00%
DBAHA	660	660	2300	2928	2932	39	1.33%	39	1.33%
DEPH	10000000	10000000	2292	2920	2924	0	0.00%	0	0.00%
INP123	900	4000	2300	2928	2932	94	3.21%	19	0.65%
NNSPR	660	660	2292	2920	2924	4	0.14%	4	0.14%
NNSM	10	60	578	591	594	1	0.17%	1	0.17%
NNSPH	140000	600000	2208	2836	2839	3	0.11%	0	0.00%

Metals – RDCSCC/NRDCSCC Exceedances:

Constituent	RDCSCC (mg/kg)	NRDCSCC (mg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of RDCSCC Exceedances	Relative Frequency of RDCSCC Exceedances	Total Number of NRDCSCC Exceedances	Relative Frequency of NRDCSCC Exceedances
Antimony	14	340	2129	2737	2740	31	1.13%	4	0.15%
Arsenic	20	20	2129	2737	2740	344	12.55%	344	12.55%
Beryllium	2	2	2129	2737	2740	3	0.11%	3	0.11%
Cadmium	39	100	2129	2737	2740	3	0.11%	2	0.07%
Copper	600	600	2129	2737	2740	73	2.66%	73	2.66%
Lead	400	600	2129	2737	2740	343	12.52%	264	9.64%
Mercury	14	270	2129	2737	2740	47	1.72%	4	0.15%
Nickel	250	2400	2129	2737	2740	7	0.26%	0	0.00%
Selenium	63	3100	2129	2737	2740	3	0.11%	0	0.00%
Silver	110	4100	2129	2737	2740	1	0.04%	0	0.00%
Thallium	2	2	2129	2737	2740	158	5.77%	158	5.77%
Zinc	1500	1500	2129	2737	2740	62	2.26%	62	2.26%

Note: Metals do not have IGWSCC

E&E – IGWSCC Exceedances:

Constituent	IGWSCC (µg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of IGWSCC Exceedances	Relative Frequency of IGWSCC Exceedances
1,3-Dinitrobenzene (DNB13)	20	1609	2231	2235	80	3.58%
TNT	40	1609	2231	2235	287	12.84%
2-Amino-4,6-Dinitrotoluene (2-A-DNT)	40	1608	2230	2234	130	5.82%
4-Amino-2,6-Dinitrotoluene (4-A-DNT)	NS	1609	2231	2235	0	0.00%
RDX	NS	1610	2232	2236	0	0.00%
NC	NS	1416	2037	2045	0	0.00%
NG	NS	1647	2269	2277	0	0.00%
HMX	NS	1609	2231	2235	0	0.00%

E&E – RDCSCC/NRDCSCC Exceedances:

Constituent	RDCSCC (µg/kg)	NRDCSCC (µg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of RDCSCC Exceedances	Relative Frequency of RDCSCC Exceedances	Total Number of NRDCSCC Exceedances	Relative Frequency of NRDCSCC Exceedances
DNB13	7800	100000	1609	2231	2235	7	0.31%	1	0.04%
TNT	21000	95000	1609	2231	2235	59	2.64%	46	2.06%
2-A-DNT	4700	61000	1608	2230	2234	33	1.48%	4	0.18%
4-A-DNT	4700	61000	1609	2231	2235	34	1.52%	2	0.09%
RDX	5800	26000	1610	2232	2236	6	0.27%	2	0.09%
NC	10000000	10000000	1416	2037	2045	21	1.03%	21	1.03%
NG	46000	200000	1647	2269	2277	127	5.58%	42	1.84%
HMX	3900000	10000000	1609	2231	2235	1	0.04%	0	0.00%

PCBs – IGWSCC Exceedances:

Constituent	IGWSCC (µg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of IGWSCC Exceedances	Relative Frequency of IGWSCC Exceedances
Total PCBs	50000	626	1146	1146	2	0.17%

PCBs – RDCSCC/NRDCSCC Exceedances:

Constituent	RDCSCC (µg/kg)	NRDCSCC (µg/kg)	Total Number of Locations	Total Number of Samples Analyzed	Total Number of Analyses	Total Number of RDCSCC Exceedances	Relative Frequency of RDCSCC Exceedances	Total Number of NRDCSCC Exceedances	Relative Frequency of NRDCSCC Exceedances
Total PCBs	490	2000	626	1146	1146	51	4.45%	19	1.66%

2,4-DNT and 2,6-DNT were analyzed as both SVOCs by USEPA SW846 Method 8270 (8270) and E&E by USEPA SW846 Method 8330 (8330) during the SI. These constituents were analyzed as SVOCs only during the RI because of better performance of the 8270 method in analyzing them. For the purpose of the RIR, 2,4-DNT and 2,6-DNT analyzed by 8270 was first sought. If the sample was only analyzed by 8330 for 2,4-DNT and 2,6-DNT, this result was used. Nitrobenzene was also analyzed as both SVOCs (8270) and E&E (8330) during the SI. For the purpose of the RIR, Nitrobenzene analyzed by 8330 was first sought due to the superior performance of this method for this compound. If the sample was only analyzed by 8270 for Nitrobenzene, this result was used.

Figures B-19 through B-45 present site-wide constituent contours for each FEC (BZAP, BZBF, 2,4/2,6-DNT, Arsenic, Lead, Thallium, TNT, NG, and Total PCBs respectively).

5.3. ORGANIZATION OF RESULTS

The analytical result narrative discussion is presented by remedial area (Areas I, II and III) and by analytical group. For ease of presentation, the results of the soil samples collected in the Miscellaneous/Off-Site Area are incorporated into the adjacent remedial areas in results discussions and associated tables and figures. The soil analytical results discussed in detail in the following sections are presented utilizing the Facility-wide grid system as necessary, (discussed in Appendix A Soils – SI), to aid the reviewer in locating the samples and affected areas on each figure. The analytical results narrative discussion is supported by the following tables and figures to facilitate data presentation and interpretation:

Note - Tables presenting analytical results for samples collected from AOCs Reserved for the RI exclude samples collected from AOC H8-1 (DDNP Ponds). Analytical results for samples collected from H8-1 are presented on separate tables due to extended analytical list of constituents analyzed (Refer to Section 2.4.1.3).

Tables

- SI-specific analytes, analytical methods, selected criteria, and sources for soil samples collected in the SI are presented in Table B1-1.
- RI-specific analytes, analytical methods, selected criteria, and sources for soil samples collected in the RI are presented in Table B1-2 (AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B1-3 (DDNP Ponds), and Table B1-4 (Trench).
- Updated SCC values for SI-specific analytes with criteria changes since completion of the Soils-SI are presented in Table B1-5.
- RI and SI Sediment-Soil analytical samples with PQLs exceeding the SCC are presented in Table B1-6 (AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B1-7 (DDNP Ponds), and Table B1-8 (Sediment-Soil).
- RI analytical samples with MDLs exceeding the SCC are presented in Table B1-9 (AOC-Based, Grid-Based, AOCs Reserved for the RI) and Table B1-10 (DDNP Ponds).
- AOCs Reserved for the RI and justification for reserving the AOCs for the RI are presented in Table B2-1 (Area I), Table B3-1 (Area II), Table B4-1 (Area III), and Table B5-1 (DDNP Ponds).
- RI sampling and analysis plans including SCC exceedances by analytical group (VOCs, SVOCs, Metals, E&E and PCBs) are included in Table B2-2 (Area I - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B3-2 (Area II - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B4-2 (Area III - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B5-2 (DDNP Ponds), and Table B5-3 (Trench).
- A comparison of the RI analytical results to the SCC by operational area (i.e., B-Line, Development, Finishing and Storage for Area I), and then by location ID and sample ID is presented in Table B2-3 (Area I - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B3-3 (Area II - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B4-3 (Area III - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B5-4 (DDNP Ponds), and Table B5-5 (Trench).
- A summary of the RI analytical results identifying SCC exceedances by operational area (i.e., B-Line, Development, Finishing and Storage for Area I), and then by location ID and sample ID is presented in Table B2-4 (Area I - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B3-4 (Area II - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B4-4 (Area III - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B5-6 (DDNP Ponds), and Table B5-7 (Trench).

- Sample locations with currently incomplete horizontal delineation are presented in Table B2-5 (Area I - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B3-5 (Area II - AOC-Based, Grid-Based, AOCs Reserved for the RI), and Table B4-5 (Area III - AOC-Based, Grid-Based, AOCs Reserved for the RI).
- Sample locations with currently incomplete vertical delineation are presented in Table B2-6 (Area I - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B3-6 (Area II - AOC-Based, Grid-Based, AOCs Reserved for the RI), Table B4-6 (Area III - AOC-Based, Grid-Based, AOCs Reserved for the RI), and Table B5-8 (DDNP Ponds).
- A summary of SI analytical results identifying SCC exceedances based on updated SCC criteria since completion of the Soils-SI is presented in Table B5-9.
- A comparison of SI Sediment analytical results to the SCC by operational area (i.e., B-Line, Development, Finishing and Storage for Area I), and then by location ID and sample ID is presented in Table B5-10.

Figures

- Figure B-1 presents the site-wide soil sample location map. Both RI and SI sample locations are included on this figure.
- Figure B-2 presents the site-wide historic fill iso-pach contour map to illustrate the estimated thickness.
- Figures B-3 through B-17 present site-wide areal extent of analytical groups that exceed the IGWSCC/RDCSCC/NRDCSCC (VOCs, SVOCs, Metals, E&E and PCBs, respectively). Analytical samples are presented in the following formats:
 - Sample locations with analytical samples collected at multiple discrete depths are presented as a series of color coded boxes (relative to sample depth) placed adjacent to the corresponding sample location. The color-codes represent RDCSCC exceedances (orange), NRDCSCC exceedances (red), IGWSCC exceedances (dark blue), RDCSCC/NRDCSCC compliance (green), or IGWSCC compliance (light blue); and,
 - Sample locations with analytical samples collected at a single discrete depth are presented as a single point and box. The sample location and sample ID represent RDCSCC exceedances (orange), NRDCSCC exceedances (red), RDCSCC/NRDCSCC compliance (green). The box represents IGWSCC exceedances (dark blue) or IGWSCC compliance (light blue).
- Figure B-18 presents the composite areal extent of exceedances inclusive of all analytical groups.

- Figures B-19 through B-45 present isoconcentration contour maps for each FEC (BZAP, BZBF, 2,4/2,6 DNT, Arsenic, Lead, Thallium, TNT, NG, and Total PCBs, respectively). Analytical samples are presented in the following formats:
 - Sample locations with constituents that were not detected at concentrations exceeding the IGWSCC/RDCSCC/NRDCSCC but where the PQL exceeded the IGWSCC/RDCSCC/NRDCSCC are color-coded blue;
 - Sample locations are further color-coded to indicate RDCSCC exceedance (orange), NRDCSCC exceedance (red), IGWSCC exceedance (dark blue), or compliance (green) per the analytical concentration of the presented FEC; and,
 - The highest analytical concentration is presented if samples were collected at multiple depths (horizontal or vertical delineation samples) from a specific sample location.
- Figure B-46 presents SI AOCs Reserved for the RI.
- Figure B-47 presents recently identified AOCs not previously investigated.

Twenty-three samples collected from the active firing range during the SI are not presented on the figures in this report. As discussed in Section 2.0, this firing range was not included in the scope of the RI.

5.4. GEOSTATISTICAL MODELING AND CRITERIA CONTOURING METHODOLOGY FOR FEC AND AREAL EXTENT FIGURES

Geostatistical modeling using Surfer (8.04)[®] was utilized to aid in generating the aforementioned figures and provide isoconcentration contouring based upon the SI and RI data sets. The following subsections present the methods utilized to contour the resulting predictions for the areal extent and FEC figures.

5.4.1 Geostatistical Modeling for FEC Figures

A geostatistical analysis of the analytical results for each FEC, which included variogram analysis and modeling was performed using Surfer (8.04)[®]. A variogram is a measure of the average dissimilarity between pairs of points (analytical results for each sample

location by FEC) separated by a given vector distance, as a function of that distance (Geostatistical Software Library and Users Guide, 2nd Edition (GSLIB), 1998).

The variogram for each FEC was generated utilizing a combination of the SI and RI data sets. The combined data set treated all non-detect or “U” qualified concentrations as half of the PQL. In addition, a small portion of FEC concentrations from the SI data set were qualified as either “R” (rejected), or as “E” (exceeded the instrument’s calibration range). These were excluded from the analysis of each individual FEC.

Variogram model selection followed two chief principles: the model should show consistency with the observations, and the model should show consistency with site knowledge. Models were then selected to best fit the variogram produced for each individual FEC. The following table is a summary of the results of the variogram analysis:

Individual FEC	Best Fit Model
Arsenic	Exponential (IGWSCC), Linear (RDCSCC and NRDCSCC)
Lead	Linear
Thallium	Linear
BZAP	Linear
BZBF	None*
NG	Logarithmic
TNT	Linear
2,4/2,6-DNT	Linear (IGWSCC only) None* (RDCSCC and NRDCSCC)
Total PCBs	Linear

* Triangulation with linear interpolation was utilized.

For each FEC simple Kriging was utilized in the prediction of intermediate soil concentrations with the exception of the FECs listed above with “None*” as the best fit model. Simple Kriging is an unbiased linear regression technique used in geostatistics that is an industry standard interpolation method for soils. Simple Kriging is a geostatistical technique that interpolates the value of a random location (i.e., the

analytical result of a FEC as a function of the neighboring analytical result) at an unobserved location from observations of its value at nearby locations (GSLIB, 1998). Simple Kriging is largely based upon the assumption that the covariance between sample results is only dependant upon the distance between two points. Surfer (8.04)[®] was utilized to grid the data set, with the selected model listed above, in grids varying between 25 and 85-sq. ft. When the variogram analysis determined that there were no specific models that best fit the variogram (indicated in the table above by “None*”), triangulation with linear interpolation was utilized. The triangulation with linear interpolation method utilized by Surfer (8.04)[®] uses the optimal Delaunay triangulation method. The algorithm creates triangles by drawing lines between data points. The original points are connected in such a way that no triangle edges are intersected by other triangles. The result is a patchwork of triangular faces over the extent of the grid. This method is an exact interpolator. Each triangle defines a plane over the grid nodes lying within the triangle, with the tilt and elevation of the triangle determined by the three original data points defining the triangle. All grid nodes within a given triangle are defined by the triangular surface (Surfer (8.04)[®] Users Guide, 2003).

5.4.2 Criteria Contouring for FEC Figures

Surfer (8.04)[®] was also utilized to produce the final FEC-specific criteria contours (RDCSCC, NRDCSCC, and IGWSCC (as applicable)) depicted in Figures B-19 through B-45. The resulting contours were then interpreted by an MWH geologist and adjusted based upon site knowledge and known physical boundaries (discussion of physical boundaries is presented below in Section 5.4.4). On each figure, the estimated area exceeding the three criteria are enclosed by a color coded line as follows.

- The blue line represents the estimated area exceeding the IGWSCC.
- The orange line represents the estimated area exceeding the RDCSCC.
- The red line represents the area exceeding the NRDCSCC.

The following table presents a summary of the contoured concentrations for each FEC and analytical group:

Individual FEC	IGWSCC (Blue Line)	RDCSCC (Orange Line)	NRDCSCC (Red Line)
Arsenic (mg/kg)	NS	20	20
Lead (mg/kg)	NS	400	600
Thallium (mg/kg)	NS	2	2
BZAP (µg/kg)	100000	660	660
BZBF (µg/kg)	50000	900	4000
NG (µg/kg)	NS	46000	200000
TNT (µg/kg)	40	21000	95000
2,4/2,6-DNT (µg/kg)	0.3	940	4200
Total PCBs (µg/kg)	50000	490	2000

NS - No standard, Metals do not have IGWSCC

5.4.3 Criteria Contouring For Areal Extent Figures

A data set that combined each depth interval for each sample location was created for each analytical group (i.e. VOCs, SVOCs, Metals, E&E, and Total PCBs) to generate contours representative of IGWSCC, RDCSCC, and NRDCSCC for each areal extent figure (Metals do not have an established IGWSCC). This data set was converted such that if any analyte was detected at any depth interval and exceeded the criteria per sample location it was assigned a value of one (1). All other values were assigned a value of zero (0). Because of the binary nature of this data set, a variogram analysis could not be performed, instead a linear variogram model was utilized. As with the previous contouring, Surfer (8.04)[®] was used to perform the simple Kriging and a grid was generated and contoured. Instead of representing an actual analytical result as was accomplished in the FEC figures, a half way point or 0.5 contour was generated and these resulting contours were then interpreted by an MWH geologist and adjusted based upon site knowledge and known physical boundaries. This method was performed for each of the criteria and overlayed on the areal extent figures. These contours were utilized to

produce the analytical group specific areas that exceed the criteria that have been depicted in Figures B-3 through B-18.

The following reference materials were utilized in development of FEC and areal extent contours:

- Geostatistical Software Library and User's Guide, 2nd Edition (GSLIB), 1998. Deutsch and Journel, Oxford University Press Inc.
- Surfer[®] Version 8.04, 2003. Surface Mapping System, Golden Software, Inc.

As discussed in the sections above, the horizontal limits of constituents present at concentrations exceeding the SCC on areal extent figures are inferred based on locations where constituents exceeded the SCC by analytical group. On FEC figures, the horizontal limits of constituents present at concentrations exceeding the SCC are based on locations where constituents exceeded the SCC and locations where half the PQL exceeded the SCC. Therefore, since the FEC figures take a more conservative approach (using half the PQL) than the areal extent figures in defining the horizontal limits, the anticipated areas where constituents may be present at concentrations exceeding the applicable criteria on the areal extent figures will be smaller than the combined areas from FEC figures for a given analytical group.

5.4.4 Horizontal Limit Determination

For the purpose of horizontal delineation contouring and discussion, several physical boundaries were utilized and include the following:

Horizontal Limits:

- Eastern and western ridges
- Ponds
- Wetland Areas

No physical boundaries were utilized to aid determination of vertical limits.

5.5. HISTORIC FILL DISCUSSION

Historic fill (fly ash, bottom ash, and slag) was encountered in the subsurface soils at the Facility during the SI and RI field activities, decontamination and demolition efforts, and routine maintenance activities. Historic fill was primarily emplaced at the Facility to support expansion activities. Volume A presents a detailed description of the Facility's history, including expansion activities. A brief discussion of the Facility's history is also included below as it relates to historic fill.

The Facility began as a small operation in 1871 and solely produced dynamite to support the local iron mining industry. Manufacturing activities were limited to the southwestern area of the Facility in a small section of the current NG, TNT, and Dynamite Areas. Operations are believed to have been limited to the higher topography of the western ridge or immediately adjacent to the ridge where wet areas were not present. Portions of the A-Line and Maintenance Areas were also used in support roles such as finished product storage (A-Line) and maintenance activities (Maintenance Area). These areas were either located on the western ridge, adjacent to the western ridge, or on well drained elevated ground.

In the years (1912 through 1919) leading up to and including World War I (WWI), the need for explosives and propellants increased greatly for both the United States (US) and its allies (Britain, France, and Russia). The US, Britain, and Russia each contracted Hercules to provide propellants and explosives for the WWI effort. As a result Hercules greatly expanded the manufacturing operations to include smokeless gunpowder, TNT, and both nitric and sulfuric acid at the Facility beginning in 1912 and ending in approximately 1914. The expansion coincided with the smokeless gunpowder manufacturing operations being performed at the US Army Picatinny Arsenal located only a few miles away from the Facility. In the WWI era most bulk transport of raw materials and finished products were accomplished by rail. Therefore, it was important to concentrate similar manufacturing operations critical to war time needs regionally to increase the efficiency of product delivery. It was also very important for the US government and its commercial counterparts to share technology and resources during

large production efforts. It is reported by the site historian (Mr. Harry Pascoe) that Picatinny Arsenal and the Facility routinely shared products and raw materials during this period.

Prior to this WWI expansion, the Facility it is believed surface elevations in many portions of Facility were in close proximity to the water table and thus were unsuitable for industrial development. It is also believed that there were numerous shallow ponds or seasonally wet areas present, similar to the present landscape encountered in the undeveloped Miscellaneous/Off-Site Area. Historic fill was used to increase grade, eliminate shallow ponds/wet areas, improve drainage, and increase compatibility of the soils to allow construction of large manufacturing complexes. Historic fill was also used extensively for establishing both narrow gauge and standard gauge rail beds. Narrow gauge rail was the primary vehicular conveyance system at the Facility for more than 75 years. Narrow gauge rail is substantially smaller standard gauge rail and can be moved or redirected quickly to meet the operational need. Standard gauge rail was used primarily for shipment of raw materials used in manufacture to the Facility and transport of finished propellant and explosive products to consumers. Standard gauge rail is capable of carrying more than 100-tons of product per rail car requiring a substantial rail bed to support the weight.

Hercules imported potentially large quantities of fly ash, bottom ash, and slag (historic fill) from local available sources that is believed to have possessed Metal and PAH constituents prior to entering the Facility. It is not certain but believed that the former iron foundries located in Dover, New Jersey, approximately four (4) miles east of the Facility, was the primary source of historic fill. Due to the very short period (1912 to 1914) of the large scale Facility expansion other unknown sources of historic fill may have been secured. It is most likely that fly-ash, bottom ash, and slag from on-site Facility boilers were added to the imported historic fill but likely represented a very small fraction of the total historic fill emplaced.

The facility is believed to have possessed a total of four powerhouses with associated coal fired boilers that supported previous manufacturing operations. Prior to the large

WWI expansion the powerhouses were relatively small (typically two boilers per powerhouse) and provided steam for areas immediately adjacent to the individual powerhouses. The small powerhouses were located in the current Dynamite, NG, Storage, and Maintenance Areas. The Maintenance Area power house was divided into two structures, each believed to have two boilers. A total of ten (10) small boilers are believed to be present at the Facility prior to the WWI expansion. The exact dates of construction or operation of the four small power houses are not known but may extend from the late 1800's through WWI (1919). Following WWI and after the major facility expansion was complete the four (4) small boilers were dismantled and replaced by a single large central powerhouse that produced both steam and electricity, and was located in the Maintenance Area.

5.5.1 Historic Fill Investigation

In order to better define the distribution and depth of historic fill across the Facility, a historic fill investigation was performed in spring 2003 within Areas I and III; specifically within the following former operational areas: Maintenance, AN, B-Line, Storage, Finishing, A-Line, and Development. The investigation was focused on these areas based on visual observations made during demolition efforts and routine site maintenance activities. Over 900 test pits were advanced on 100-ft. centers to a minimum depth of 4-ft. bgs. If historic fill was encountered, the test pits were advanced to a depth at least 2-ft. below the historic fill layer, regardless of total depth, to ensure multi level historic fill deposition was identified.

Test pits were not advanced within Area II and a small portion of the western Area III (immediately adjacent to Area I) because it was not yet determined at the time of the historic fill evaluation (spring 2003) if E&E constituents (primarily NG) were present at concentrations that could present an explosive hazard to field personnel. In particular, the historic fill was identified adjacent to former foundations and road/rail bases.

Historic fill test pit logs and photographs of each test pit are presented in Appendix E.

5.5.2 Historic Fill Distribution

The deposition of historic fill appears to be widespread within the former low lying areas of the Facility recovered during the 1912 to 1914 expansion. The former low lying areas are believed to be Area III and the southern/southwestern portion of Area I (Figure B-2). Within this area numerous isolated deposits of historic fill were observed. It is believed the areas of greatest historic fill deposition (greater than 1-ft.) likely represent previous areas of potentially ponded water or areas prone to shallow flooding that were recovered to expand industrial operations.

Historic fill is also present in the northeastern portion of the Facility within the Storage Area (Figure B-2). This was the former standard gauge rail entrance to the Facility. Standard gauge rail was used at the Facility to transport large quantities of raw materials and finished products to and from the Facility.

Significant quantities of historic fill were placed adjacent to the northern, western, and southern boundaries of Duck Pond (Figure B-2). It is believed that these areas may have been predominately wet and historic fill was used to reclaim the land for the following industrial operations:

- Northern area coincides with the Old Burning Ground (M5-3);
- Western area was formerly occupied by a dry house (L5-539) and a rest house (L6-2129). This area also contains a major road bounding Duck Pond;
- Southern area is the location of a major road bounding Duck Pond and was part of the standard gauge rail service to the Maintenance Area; and, immediately to the south of this area is a large disposal area (M8-1).

Demolition activities were performed in the Dynamite Area (Area II) prior to the historic fill evaluation by contract personnel specializing in demolition of potentially energetic structures. Since evaluation of historic fill was not the objective of the demolition efforts and documentation concerning exact thickness or areal extent was not recorded, Figure B-2 does not present estimations of historic fill within the Dynamite Area. However, based on visual observations made during demolition efforts historic fill is known to be present in close proximity to former Dynamite Area structures located within the former

wet areas of Area II. Additionally, historic fill was used as the base for the intricate network of roads and narrow gauge rail service throughout the Dynamite Area.

The total areal extent of historic fill at the Facility is estimated to be 161 acres.

5.5.3 Summary

The historic fill is likely composed to some small degree of fly ash, bottom ash, and slag generated from on-site boilers. However, due to the short duration of the major facility expansion from 1912 to 1914, the contribution from on-site boilers is believed to have been limited. The majority of the historic fill originated from off-site sources and is believed to have possessed Metal and PAH constituents prior to entering the Facility,.

Historic fill was used to increase grade, eliminate shallow ponds/wet areas, improve drainage, increase compatibility of the soils to allow construction of large manufacturing complexes, and create a suitable base for roads and narrow/standard gauge rail beds. Due to the unknown historic topography of the site (i.e. location of former ponds/wet areas) and the locations of former narrow gauge rails that changed over time, the distribution of the historic fill is widespread and heterogeneously distributed across the Facility. It is likely that historic fill will be encountered throughout the formerly developed portions of the Facility.

Analytical samples collected during the SI and RI within areas of known historic fill exhibit a wide range of detected constituent concentrations. The detected constituents and concentrations are similar to Table 4-2 of N.J.A.C 7:26E-4.6 Remedial Investigation of Landfills and Historic Fill Material (Summary of Target Contaminant Concentrations in Typical Historic Fill Material). However, the concentrations of detected historic fill constituents are not consistent (i.e. some locations exceed the RDCSCC and/or NRDCSCC and others do not). This tends to confirm that historic fill was secured from multiple off-site sources and emplaced at the Facility.

5.6. AREA I ANALYTICAL RESULTS

This section presents and evaluates the analytical results of the soil samples collected from Area I (B-Line, Development, Finishing, and Storage Areas), segregated by analytical group (Figure B-1). The following samples were collected:

- 1,533 horizontal and vertical delineation samples were collected within Area I from 1,193 SI/RI sample locations to delineate the horizontal and vertical extent of constituents present in soil exceeding the SCC.
 - o Horizontal Delineation Samples:
 - 887 samples were collected during the SI;
 - 878 samples were collected from AOC specific sample locations.
 - Nine sediment samples were collected (considered as soil for this RIR)
 - 303 samples were collected during the RI;
 - 202 samples were collected from AOC or grid based sample locations
 - 101 samples were collected from seven AOCs reserved for the RI.
 - o Vertical Delineation Samples:
 - No vertical delineation samples were collected during the SI;
 - 340 samples were collected during the RI from 280 locations;
 - 207 samples were collected from 180 AOC or grid based sample locations.
 - 133 samples were collected from 100 locations from seven AOCs reserved for the RI.
- Three samples were collected from three trenches to identify if any potential releases occurred at the historic hydraulic oil pipelines.

Soil samples collected during the SI were analyzed for portions of the PP+40 list (Refer to Appendix A Soils-SI) (Table B1-1). Soil samples collected during the RI (except for

the hydraulic oil pipeline trench samples) were analyzed for one or more of the following analytical groups based on SI exceedances: VOCs, SVOCs, Metals, E&E, and Total PCBs (Table B1-2). Soil samples collected from hydraulic oil pipeline trenches were utilized to determine potential hydraulic oil pipeline releases and were analyzed for BTEX and MTBE, PAHs and PHCs (Table B1-4).

Table B2-2 presents the site-wide RI sampling and analysis plan including IGWSCC, RDCSCC, and NRDCSCC exceedances by analytical group. Table B2-3 presents the complete set of comparisons of RI analytical results to the SCC. Table B2-4 presents a summary of the RI analytical results with SCC exceedances. Appendix B presents boring logs for all soil samples collected during the RI. Appendix C presents photographic logs for all test pits or trench excavations performed during the RI.

The following table presents a summary of Area I sample locations, number of samples, and IGWSCC exceedances by analytical group (VOCs, SVOCs, E&E, and Total PCBs).

Analytical Group	Number of Sample Locations	Number of Samples	Number of Samples with IGWSCC Exceedances	Number of Samples without IGWSCC Exceedances
VOCs	381	675	8	667
SVOCs	1132	1444	233	1211
E&E	1125	1433	83	1350
Total PCBs	325	619	1	618
Composite (Net)*	1193*	1533*	283*	1250*

Note: Metals do not have IGWSCC

*= The composite (net) numbers represent the total number of sample locations and number of samples collected. Most samples collected were analyzed for multiple analytical groups. Therefore, the composite (net) number of sample locations and number of samples is less than the sum of the sample locations and number of samples, respectively, of the analytical groups.

The following table presents a summary of Area I sample locations, number of samples, and RDCSCC and NRDCSCC exceedances by analytical group.

Analytical Group	Number of Sample Locations	Number of Samples**	Number of Samples with RDCSCC Exceedances	Number of Samples with NRDCSCC Exceedances	Number of Samples without RDCSCC/NRDCSCC Exceedances
VOCs	381	675	4	0	671
SVOCs	1132	1444	167	123	1277
Metals	931	1254	312	285	942
E&E	1125	1433	73	31	1360
Total PCBs	325	619	23	10	596
Composite (Net)*	1193*	1533*	454*	380*	1079*

*= The composite (net) numbers represent the total number of sample locations and number of samples collected. Most samples collected were analyzed for multiple analytical groups. Therefore, the composite (net) number of sample locations and number of samples is less than the sum of the sample locations and number of samples, respectively, of the analytical groups.

** Any sample that exceeds the less stringent NRDCSCC also exceeds the RDCSCC. In order to show all exceedances of a given criteria for a given analytical group, exceedances of the NRDCSCC appear in both exceedance columns. Therefore, the **Number of Samples**** in a row may be less than the sum of all exceedances and non-exceedances in that row.

The following table presents the estimated square footage of SCC exceedances by analytical group.

Analytical Group	Square Footage of IGWSCC Exceedances	Square Footage of RDCSCC Exceedances	Square Footage of NRDCSCC Exceedances
VOCs	73,795	30,636	0
SVOCs	1,410,241	1,052,334	671,839
Metals	NA	2,810,082	2,528,536
E&E	468,084	326,679	103,932
Total PCBs	3,576	219,134	42,534
Composite (Net)*	1,754,473	3,783,218	3,069,163

Note: Metals do not have IGWSCC

* = The composite (net) number represents the square footage of IGWSCC, RDCSCC, and NRDCSCC area exceedances incorporating all analytical groups within Area I. It is possible for an area exceedance to have identified more than one analytical group with constituents present at concentrations exceeding the IGWSCC, RDCSCC, or NRDCSCC. Therefore, the composite (net) number may not represent the sum of the square footage for each analytical group.

Within the areas identified in the table above, a total of two VOCs, 14 SVOCs, 12 Metals, 7 E&E, and Total PCBs were detected at concentrations exceeding the SCC, as presented below:

VOCs - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
Benzene	UG/KG	1000	368	662	663	14	6	82 J-3780
MTLNCL	UG/KG	1000	378	672	673	11	2	81.3 J-2340 J

VOCs -RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
Benzene	UG/KG	3000	13000	368	662	663	14	4	0	82 J-3780

SVOCs - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
DNP24	UG/KG	10000	972	1284	1285	4	1	69.18 J-14800
2,4/2,6-DNT	UG/KG	0.3	1125	1437	1437	232	230	16 J-264000 J
BZBF	UG/KG	50000	974	1286	1286	477	1	21 J-51000
DNBP	UG/KG	100000	972	1284	1284	427	4	17 J-300000 *D
DEPH	UG/KG	50000	972	1284	1284	169	1	30 J-72000
NNSPH	UG/KG	100000	942	1254	1254	329	2	18.5 J-540000 J

SVOCs - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
DPHY12	UG/KG	600	2000	673	673	673	4	1	0	24 J-980
2,4/2,6-DNT	UG/KG	940	4200	1125	1437	1437	232	78	35	16 J-264000 J
BZAA	UG/KG	900	4000	975	1287	1287	493	75	27	30 J-46000
BZAP	UG/KG	660	660	975	1287	1287	498	88	88	18 J-39000
BZBF	UG/KG	900	4000	974	1286	1286	477	100	35	21 J-51000
BZKF	UG/KG	900	4000	975	1287	1287	295	53	12	34 J-19000
Chrysene	UG/KG	9000	40000	975	1287	1287	519	9	1	34 J-40000
DBAHA	UG/KG	660	660	975	1287	1287	123	27	27	39 J-6500
INP123	UG/KG	900	4000	975	1287	1287	294	54	12	38 J-23000
NNSPR	UG/KG	660	660	972	1284	1284	8	3	3	21.6 J-2840 J
NNSPH	UG/KG	140000	600000	942	1254	1254	329	2	0	18.5 J-540000 J

Metals - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
Antimony	MG/KG	14	340	931	1254	1254	288	18	3	0.298 J-5060 J
Arsenic	MG/KG	20	20	931	1254	1254	1232	124	124	0.707 J-1060
Beryllium	MG/KG	2	2	931	1254	1254	1238	2	2	0.0548 J-183
Cadmium	MG/KG	39	100	931	1254	1254	676	3	2	0.04 B-140
Copper	MG/KG	600	600	931	1254	1254	1253	41	41	1.50 J-45000
Lead	MG/KG	400	600	931	1254	1254	1251	121	96	1.19 J-144000 J
Mercury	MG/KG	14	270	930	1253	1253	1082	26	4	0.0027 J-2940 J
Nickel	MG/KG	250	2400	931	1254	1254	1247	2	0	0.894 J-1380
Selenium	MG/KG	63	3100	931	1254	1254	578	3	0	0.006 J-803
Silver	MG/KG	110	4100	931	1254	1254	324	1	0	0.07 B-332
Thallium	MG/KG	2	2	931	1254	1254	364	106	106	0.54 B-9.3 B
Zinc	MG/KG	1500	1500	931	1254	1254	1250	36	36	6.30 J-175000

Note: Metals do not have IGWSCC

E&E - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
DNB13	UG/KG	20	826	1134	1135	12	9	160 J-550 J
TNT	UG/KG	40	826	1134	1135	134	77	119 J-42000
2-A-DNT	UG/KG	40	826	1134	1135	9	6	300-1300 J

E&E - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
TNT	UG/KG	21000	95000	826	1134	1135	134	2	0	119 J-42000
RDX	UG/KG	5800	26000	827	1135	1136	29	2	1	120 J-323000
NC	UG/KG	10000000	10000000	824	1132	1133	397	10	10	49000 J-73900000
NG	UG/KG	46000	200000	844	1152	1153	224	66	26	1800 J-8600000 D
HMX	UG/KG	3900000	10000000	826	1134	1135	21	1	0	320 J-8500000 !D

PCBs - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
Total PCBs	UG/KG	50000	325	619	619	119	1	4.3 J-58000

PCBs - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
Total PCBs	UG/KG	490	2000	325	619	619	119	23	10	4.3 J-58000

5.6.1 AOCs Reserved for the RI

Seven AOCs located in Area I were not sampled as part of the Soils – SI and were reserved for the RI for investigation activities (Figure B-46). Table B2-1 presents the justification for reserving the AOCs for the RI. The following AOCs were reserved for the RI in Area I:

Former Operational Area	AOC (Soils-SI Designation)	AOC Name
Finishing	J7-1	Graphite Pond
Storage	J10-2166	D-2 Wax House
Development	K5-1	Former Drum Disposal Area
Development	K5-2	Pond
Development	M5-3	Old Burning Ground
B-Line	M8-1	Disposal Area
Storage	N6-1	Disposal Area

The horizontal and vertical limits of these samples are discussed below in Section 5.6.2 Discussion of Analytical Results.

5.6.2 Discussion of Analytical Results

The following section presents a summary and interpretation of the analytical results of the SI and RI soil sampling efforts. Results are organized by analytical group, and groups are further organized in bullet form by categories such as criteria comparison, extent of affected areas, and possible interactions with groundwater and surface water/sediment.

VOCs:

- The only VOC constituents detected at concentrations exceeding the IGWSCC were Benzene and Methylene Chloride (MTLNCL).
- The only VOC constituent detected at concentration exceeding the RDCSCC was Benzene.
- There were no VOC constituents detected at concentrations exceeding the NRDCSCC.
- The horizontal limits of soil samples with VOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the eastern ridge (Figure B-3).
- The vertical limits of soil samples with VOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations with the following exception (Figure B-3, Table B2-6):
 - o Soil sample J11-8570-01 collected from the southeastern portion of Grid J11.
- Areas with VOCs detected at concentrations exceeding the IGWSCC do not have associated Groundwater Quality Standards (GWQS) exceedances. The Revised Groundwater Site Investigation (GW-SI) Report and Volume C – Groundwater RIR present the groundwater investigation results.
- No soil samples with VOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are located in close proximity to surface water features (Figure B-3). Therefore, VOCs in soil are not potential influences to surface water and sediments in this area.

SVOCs:

- The primary SVOC constituent detected at concentrations exceeding the IGWSCC is 2,4/2,6-DNT.
- The majority of SVOC constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are PAHs commonly associated with historic fill.
- The horizontal limits of soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the eastern ridge with the following exceptions (Figure B-6, Table B2-5):

- o Soil samples collected from the northeastern portion of Grid M11. Horizontal limits are not defined by analytical data in the southeastern direction. SVOCs in soil in this area are likely the result of a point source and it is not expected to extend beyond the identified area.
 - o Soil samples collected from the north portion of Grid R7 and western portion of Grid S7. Horizontal limits are not defined by analytical data in the southern direction.
- The vertical limits of soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations with the following exceptions (Figure B-6, Table B2-6):
 - o Soil samples collected from the northeastern portion of Grid K6, northeastern portion of Grid L5, southwestern portion of Grid M5, and southern portion of Grid N6.
- Areas with SVOCs detected at concentrations exceeding the IGWSCC have limited GWQS exceedances of those SVOCs in groundwater samples, and thus do not significantly influence the quality of groundwater, with the following exception:
 - o Soil samples collected from the southern portion of Grid L10 and northern portion of Grid L11 indicate DNT at concentrations exceeding the IGWSCC. Groundwater samples collected from this area, specifically MW-27, indicate DNT at concentrations exceeding the GWQS, as illustrated in Volume C – Groundwater RIR.
- Soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-6) may locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - o Soil samples collected from the northeastern portion of Grid M7 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a miscellaneous pond.
 - o Soil samples collected from the eastern portion of Grid L5, northeastern portion of Grid L7, western portion of Grid M5, and southern portion of Grid M6 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to Duck Pond.
 - o Soil samples collected from the northern portion of Grid N5 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or

NRDCSCC and are located in close proximity to Shooting Pond and a miscellaneous pond.

- o Soil samples collected from the eastern portion of Grid K5, northern portion of Grid K6, and southwestern portion of Grid L5 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a miscellaneous pond.
- o Soil samples collected from the southern portion of Grids J5 and K5 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to the stream which feeds Duck Pond.
- o Soil samples collected from the northern and southwestern portions of Grid I6 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to the stream which enters the Facility south of the New Jersey Transit Railway (Grid I5) and is redirected through a culvert placed along Powder Mill Road.

Metals:

- There are no established IGWSCC standards for Metals.
- The primary metal constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are Arsenic, Lead, and Thallium. Arsenic and Lead are commonly associated with historic fill.
- The horizontal limits of soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the eastern ridge with the following exceptions (Figure B-9, Table B2-5):
 - o Soil samples collected from the northeastern portion of Grid M11. Horizontal limits are not defined by analytical data in the southeastern direction.
 - o Soil samples collected from the central portion of Grid R6 and northern portion of Grid R7. Horizontal limits are not defined by analytical data in the southern direction.
- The vertical limits of soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations with the following exceptions (Figure B-9, Table B2-6):

- o Soil samples collected from the central portion of Grid J10, central portion of Grid M5, southeastern portion of Grid N5, southern and northern portions of Grid N6, and northern portion of Grid N7.
- Soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-9) may locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - o Soil samples collected from the northeastern portion of Grid M7 and central portion of Grid N7 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to miscellaneous ponds.
 - o Soil samples collected from the northeastern portion of Grid M7 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a miscellaneous pond.
 - o Soil samples collected from the southwestern portion of Grid N4 and northern portion of Grid N5 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to miscellaneous ponds.
 - o Soil samples collected from the eastern portion of Grid L5, and northeastern portion of Grid L6, central portion of Grid M5, and southern portion of M6 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to Duck Pond.
 - o Soil samples collected from the northern portion of Grid J6, southern portion of Grid K5, and western portion of Grid L5 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream which feeds Duck Pond and a miscellaneous pond.
 - o Soil samples collected from the eastern portion of Grid I5, southern portion of Grid I6, and southern portion of Grid H6 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream which enters the Facility south of the New Jersey Transit Railway (Grid I5) and is redirected through a culvert placed along Powder Mill Road.

E&E:

- The main E&E constituent detected at concentrations exceeding the IGWSCC is TNT.

- The primary E&E constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are NC and NG.
- The horizontal limits of soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the eastern ridge (Figure B-12).
- The vertical limits of soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations (Figure B-12).
- Areas with E&E constituents detected at concentrations exceeding the IGWSCC have limited GWQS exceedances of those E&E constituents in groundwater samples, and thus do not significantly influence the quality of groundwater, with the following exception:
 - Soil samples collected from the northern portion of Grid L11 indicate TNT and DNT at concentrations exceeding the IGWSCC. Groundwater samples collected from this area, specifically MW-27, indicate TNT breakdown constituents (2-A-DNT, 4-A-DNT) and 2,4/2,6-DNT at concentrations exceeding the GWQS, as illustrated in Volume C – Groundwater RIR.
- Soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-12) may locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - Soil samples collected from the central portion of Grid N7 indicate the presence of E&E constituents at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a miscellaneous pond.
 - Soil samples collected from the southeastern portion of Grid L5 and western portion of Grid M5 indicate the presence of E&E constituents at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to Duck Pond.

PCBs:

- There was only one sample with detected concentrations of Total PCBs exceeding the IGWSCC.
- From the total of 577 Total PCB samples collected, only 23 samples detected concentrations exceeding the RDCSCC and only 10 samples detected concentrations exceeding the NRDCSCC.

- The horizontal limits of soil samples with Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the eastern ridge (Figure B-15).
- The vertical limits of soil samples with Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations (Figure B-15).
- The area with Total PCBs detected at concentrations exceeding the IGWSCC has no GWQS exceedance for Total PCBs in groundwater samples, and thus does not influence the quality of groundwater (Refer to Volume C – Groundwater RIR).
- Soil samples with Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-15) may locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - Soil samples collected from the southeastern portion of Grid H6 indicate the presence of Total PCBs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to the stream which enters the Facility south of the New Jersey Transit Railway (Grid I5) and is redirected through a culvert placed along Powder Mill Road.
 - Soil samples collected from the southwestern portion of Grid K5 indicate the presence of Total PCBs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream which feeds Duck Pond.
 - Soil samples collected from the northwestern portion of Grid K6 indicate the presence of Total PCBs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a miscellaneous pond.
 - Soil samples collected from the southeastern portion of Grid L5 indicate the presence of Total PCBs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to Duck Pond.

5.6.3 Hydraulic Oil Pipeline Investigation

Three soil samples were collected from three trenches excavated in B-Line (SB-R-TR-06/07/08) (Figure B-1). One soil sample was collected from each trench. No BTEX, MTBE, PAHs, or PHCs were identified by laboratory analysis at concentrations

exceeding the SCC (Table B5-5). The results of the fingerprint scan for SB-R-TR-06/07/08 did not identify the presence of hydraulic oil or PHCs.

5.6.4 Recently Identified AOCs Not Previously Investigated

Seven additional AOCs (debris areas) were identified within Area I during implementation of RI field activities (Figure B-46). These areas appear to have been historically low-lying isolated portions of the Facility that were filled with debris (historic fill, scrap steel/iron, and general refuse). During the RI, test pits were excavated within the center of the anticipated AOC boundary to visually classify the lithology and debris material. Test pit logs are presented in Appendix B and photos are presented in Appendix C.

The intention of the test pits was to provide a preliminary assessment of the nature of the debris present within each area. The recently identified debris areas will be addressed in the future actions work plan included in Volume A.

5.6.5 Area I Summary

The following section provides a summary of the results presented above.

- Soils with constituents detected at concentrations exceeding the IGWSCC show a very limited connection to groundwater quality; with the following exception:
 - Soil samples collected from the southern portion of Grid L10 and northern portion of Grid L11 indicate 2,4/2,6-DNT, TNT at concentrations exceeding the IGWSCC. Groundwater samples collected from this area, specifically MW-27, indicate TNT breakdown constituents (2-A-DNT, 4-A-DNT) and 2,4/2,6-DNT at concentrations exceeding the GWQS, as illustrated in Volume C – Groundwater RIR.
- VOCs were detected at concentrations exceeding either the RDCSCC/NRDCSCC at very few sample locations and do not represent a significant environmental condition. The source for the VOCs is believed to be historic small single release events (likely attributed to maintenance activities).
- SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are comprised primarily of PAH constituents. These constituents are primarily associated with the historically common practice of using fly ash, bottom ash, and slag as fill material (historic fill) to improve the grade of the

Facility, recover unusable land, and establish numerous narrow gauge rail beds. To a lesser extent, these constituents are associated with historic manufacturing operations where these exceedances do not occur within the historic fill contour.

- 2,4/2,6-DNT (SVOC) detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are associated with historic manufacturing operations.
- Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are primarily associated with the historically common practice of using fly ash, bottom ash, and slag as fill material. To a lesser extent, these constituents are associated with historic manufacturing operations where these exceedances do not occur within the historic fill areal extent contour.
- E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are associated with historic manufacturing operations.
- Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are potentially associated with disposal areas and isolated transformers.
- The following table presents a summary of the number of samples with SCC exceedances and exceedance percentages:

Number of Locations	Number of Samples	Samples with IGWSCC Exceedances	Samples with RDCSCC Exceedances	Samples with NRDCSCC Exceedances	Percentage of Samples with IGWSCC Exceedances	Percentage of Samples with RDCSCC Exceedances	Samples with NRDCSCC Exceedances
1193	1533	283	454	380	18.50%	30%	25%

5.7. AREA II ANALYTICAL RESULTS

This section presents and evaluates the analytical results of the soil samples collected from Area II (Dynamite, TNT, PETN, and NG Areas), segregated by analytical group (Figure B-1). The following samples were collected:

- 904 horizontal and vertical delineation samples were collected within Area II from 680 SI/RI sample locations to delineate the horizontal and vertical extent of constituents present in soil exceeding the SCC.

o Horizontal Delineation Samples:

➤ 490 samples were collected during the SI;

- 477 samples were collected from AOC specific sample locations.

- 13 sediment samples were collected (considered as soil for this RIR)
- 190 samples were collected during the RI;
 - 116 samples were collected from AOC or grid based sample locations
 - 74 samples were collected from 25 AOCs reserved for the RI.
- o Vertical Delineation Samples:
 - Three vertical delineation samples were collected during the SI;
 - 221 samples were collected during the RI from 184 locations;
 - 118 samples were collected from 110 AOC or grid based sample locations.
 - 103 samples were collected from 74 locations from 25 AOCs reserved for the RI.

Soil samples collected during the SI were analyzed for portions of the PP+40 list (Refer to Appendix A Soils-SI) (Table B1-1). Soil samples collected during the RI (except for the hydraulic oil pipeline trench samples) were analyzed for one or more of the following analytical groups based on SI exceedances: VOCs, SVOCs, Metals, E&E, and Total PCBs (Table B1-2).

Table B3-2 presents the site-wide RI sampling and analysis plan including IGWSCC, RDCSCC, and NRDCSCC exceedances by analytical group. Table B3-3 presents complete the set of comparisons of RI analytical results to the SCC. Table B3-4 presents a summary of the RI analytical results with SCC exceedances. Appendix B presents boring logs for all soil samples collected during the RI. Appendix C presents photographic logs for all test pits or trench excavations performed during the RI.

The following table presents a summary of Area II sample locations, number of samples, and IGWSCC exceedances by analytical group (VOCs, SVOCs, E&E, and Total PCBs).

Analytical Group	Number of Sample Locations	Number of Samples	Number of Samples with IGWSCC Exceedances	Number of Samples without IGWSCC Exceedances
VOCs	206	343	1	342
SVOCs	661	864	157	707
E&E	652	852	183	669
Total PCBs	136	272	0	272
Composite (Net)*	680*	904*	241*	663*

Note: Metals do not have IGWSCC

*= The composite (net) numbers represent the total number of sample locations and number of samples collected. Most samples collected were analyzed for multiple analytical groups. Therefore, the composite (net) number of sample locations and number of samples is less than the sum of the sample locations and number of samples, respectively, of the analytical groups.

The following table presents a summary of Area II sample locations, number of samples, and RDCSCC and NRDCSCC exceedances by analytical group.

Analytical Group	Number of Sample Locations	Number of Samples**	Number of Samples with RDCSCC Exceedances	Number of Samples with NRDCSCC Exceedances	Number of Samples without RDCSCC/NRDCSCC Exceedances
VOCs	206	343	0	0	343
SVOCs	661	864	97	68	767
Metals	580	769	179	158	590
E&E	652	852	59	43	793
Total PCBs	136	272	2	0	270
Composite (Net)*	680*	904*	259*	217*	645*

*= The composite (net) numbers represent the total number of sample locations and number of samples collected. Most samples collected were analyzed for multiple analytical groups. Therefore, the composite (net) number of sample locations and number of samples is less than the sum of the sample locations and number of samples, respectively, of the analytical groups.

** Any sample that exceeds the less stringent NRDCSCC also exceeds the RDCSCC. In order to show all exceedances of a given criteria for a given analytical group, exceedances of the NRDCSCC appear in both exceedance columns. Therefore, the **Number of Samples**** in a row may be less than the sum of all exceedances and non-exceedances in that row.

The following table presents the square footage of SCC exceedances by analytical group.

Analytical Group	Square Footage of IGWSCC Exceedances	Square Footage of RDCSCC Exceedances	Square Footage of NRDCSCC Exceedances
VOCs	319	0	0
SVOCs	719,423	438,138	275,166
Metals	NA	1,294,885	1,147,815

Analytical Group	Square Footage of IGWSCC Exceedances	Square Footage of RDCSCC Exceedances	Square Footage of NRDCSCC Exceedances
E&E	740,820	276,076	190,716
Total PCBs	0	60,187	0
Composite (Net)*	1,031,907	1,710,131	1,385,930

Note: Metals do not have IGWSCC

* = The composite (net) number represents the square footage of IGWSCC, RDCSCC, and NRDCSCC area exceedances incorporating all analytical groups within Area I. It is possible for an area exceedance to have identified more than one analytical group with constituents present at concentrations exceeding the IGWSCC, RDCSCC, or NRDCSCC. Therefore, the composite (net) number may not represent the sum of the square footage for each analytical group.

Within the areas identified in the table above, a total of one VOC, 11 SVOCs, six Metals, seven E&E, and Total PCBs were detected at concentrations exceeding the SCC, as presented below:

VOCs - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
MTLNCL	UG/KG	1000	206	343	343	4	1	560 J-2630

SVOCs - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
DNP24	UG/KG	10000	642	844	845	2	1	560 J-2630
2,4/2,6-DNT	UG/KG	0.3	654	856	857	158	157	20 J-14000000

SVOCs - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
2,4/2,6-DNT	UG/KG	940	4200	654	856	857	158	60	35	20 J-14000000
BZD	UG/KG	2	8	465	467	468	4	4	4	33.3 J-177 J
BZAA	UG/KG	900	4000	642	844	845	260	25	7	28 J-13000
BZAP	UG/KG	660	660	642	844	845	257	32	32	23 J-9700
BZBF	UG/KG	900	4000	642	844	845	241	35	8	40 J-16100
BZKF	UG/KG	900	4000	636	838	839	136	15	1	36 J-4500 J
BIS2EHP	UG/KG	49000	210000	642	844	845	213	1	0	17 J-57000 #D
Chrysene	UG/KG	9000	40000	642	844	845	263	1	0	35 J-9900
DBAHA	UG/KG	660	660	642	844	845	64	3	3	41 J-2200 J
INP123	UG/KG	900	4000	642	844	845	142	15	3	44 J-6000 J

Metals - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
Antimony	MG/KG	14	340	580	769	770	203	3	0	0.16 BN-27 N
Arsenic	MG/KG	20	20	580	769	770	741	74	74	0.896 J-420
Copper	MG/KG	600	600	580	769	770	766	7	7	0.443 J-48500
Lead	MG/KG	400	600	580	769	770	769	106	84	1.15 J-93300 J
Thallium	MG/KG	2	2	580	769	770	81	23	23	0.38 B-3.4
Zinc	MG/KG	1500	1500	580	769	770	768	9	9	1.90 J-27700 N

Note: Metals do not have IGWSCC

E&E - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
DNB13	UG/KG	20	427	626	627	60	58	110 J-120000
TNT	UG/KG	40	427	626	627	169	168	56.2 J-120000000 J
2-A-DNT	UG/KG	40	427	626	627	126	117	110 J-66000 J

E&E - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
DNB13	UG/KG	7800	100000	427	626	627	60	7	1	110 J-120000
TNT	UG/KG	21000	95000	427	626	627	169	54	43	56.2 J-120000000 J
2-A-DNT	UG/KG	4700	61000	427	626	627	126	31	3	110 J-66000 J
4-A-DNT	UG/KG	4700	61000	427	626	627	108	32	2	130 J-86000 J
RDX	UG/KG	5800	26000	427	626	627	17	1	0	140 J-7600 J
NC	UG/KG	10000000	10000000	245	443	447	85	3	3	87000 J-3170000 J
NG	UG/KG	46000	200000	448	647	652	93	17	2	2000 J-476000000 J

PCBc - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
Total PCBs	UG/KG	490	2000	136	272	272	37	2	0	4.2 J-1800 J

5.7.1 AOCs Reserved for the RI

Twenty-five AOCs located in Area II were not sampled as part of the Soils – SI and were reserved for the RI for investigation activities (Figure B-46). Table B3-1 presents the justification for reserving the AOCs for the RI. The table below presents a list of AOCs reserved for the RI by former operational area.

Former Operational Area	AOC (Soils-SI Designation)	AOC Name
TNT	A11-2	Mixed Acid Storage #3
TNT	A11-4	Acid Fortifier #2
TNT	A11-5	Bi/Trinitrator #2
TNT	A11-504	Weak Acid Storage Tanks
TNT	A11-7	Nitric Acid Storage #2
TNT	A12-1	TNT in Soil
TNT	A12-426	Block Breaker
TNT	A13-625	Filter House #2
TNT	B10-2	TNT in Soil
TNT	B10-5	Possible Catch Tank for B10-508/B10-509
TNT	B10-501	Nitric Acid Storage #1
TNT	B10-502	Mixed Acid Storage Tanks #1
TNT	B10-505	Acid Fortifier
TNT	B10-508	Bi/Trinitrator #1
TNT	B10-509	Neutralizer/Pelletizer #1
TNT	B10-6	TNT in Soil
TNT	B12-1	Perchlorate Grinder
TNT	B12-234	Filter House #1 Sump
TNT	B13-1	Settling Pond
TNT	B13-2	Gravel Pit
TNT	C10-439	Weak Acid Storage Tanks
Dynamite	C13-666	Refined Graining House
NG	C11-8572C	Storage Shed
NG	C11-8572D	Instrument Room
NG	D11-2031	DNT Heater House

The horizontal and vertical limits of these samples are discussed below in Section 5.7.2 Discussion of Analytical Results.

5.7.2 Discussion of Analytical Results

The following section presents a summary and interpretation of the analytical results of the SI and RI soil sampling efforts. Results are organized by analytical group, and groups are further organized in bullet form by categories such as criteria comparison, extent of affected areas, and possible interactions with groundwater and surface water/sediment.

VOCs:

- The only VOC constituent detected at a concentration exceeding the IGWSCC was MTLNCL.
- There were no VOC constituents detected at concentrations exceeding the RDCSCC or the NRDCSCC.
- Areas with VOCs detected at concentrations exceeding the IGWSCC do not have associated GWQS exceedances. The Revised GW- SI Report and Volume C – Groundwater RIR present the groundwater investigation results.
- No soil samples with VOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are located in close proximity to surface water features (Figure B-4). Therefore, VOCs in soil are not potential influences to surface water and sediments in this area.

SVOCs:

- The primary SVOC constituent detected at concentrations exceeding the IGWSCC is 2,4/2,6-DNT.
- The majority of SVOC constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are PAHs commonly associated with historic fill.
- The horizontal limits of soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the western ridge with the following exception (Figure B-7, Table B3-5):
 - o Soil samples collected from the central portion of Grid E16 and the northeast portion of Grid G14. Horizontal limits are not defined by analytical data in the eastern direction.

- o Soil samples collected from the northeast portion of Grid G14. Horizontal limits are not defined by analytical data in the southeastern direction.
- The vertical limits of soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations with the following exceptions (Figure B-7, Table B3-6):
 - o Soil samples collected from the northwestern and southwestern portions of Grid B13, the central portion of Grids B12 and B10, and the northeastern portion of Grid A11, A12, and D11.
- Areas with SVOCs detected at concentrations exceeding the IGWSCC have limited GWQS exceedances of those SVOCs in groundwater samples, and thus do not significantly influence the quality of groundwater; with the following exception:
 - o Soil samples collected from the northwestern portion of Grid B11 and indicate DNT at concentrations exceeding the IGWSCC. Groundwater samples collected from this area, specifically MW-47, indicate 2,4/2,6-DNT at concentrations exceeding the GWQS, as illustrated in Volume C – Groundwater RIR.
- Soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-7) may locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - o Soil samples collected from the southern portion of Grid D11 and C11 and the western portion of Grid E11 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream that drains to the unnamed pond in the dynamite area. This pond is part of the central drainage area.
 - o Soil samples collected from the southern portion of Grid D13 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to the unnamed pond in the dynamite area. This pond is part of the central drainage area.

Metals:

- There are no established IGWSCC standards for Metals.
- The primary metal constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are Arsenic, Lead, and Thallium. Arsenic and Lead are commonly associated with historic fill.

- The horizontal limits of soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the western ridge (Figure B-10, Table B3-5).
- The vertical limits of soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations with the following exceptions (Figure B-10, Table B3-6):
 - Soil samples collected from the southwestern portion of Grid C9, and the southern portion of Grid B10
 - Soil samples collected from the east central portion of Grid C11
 - Soil samples collected from the central portion of Grid A11.
- Soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-10) have the potential to locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - Soil samples collected from Grids C11 and the northwestern portion of D11 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream which drains to the unnamed pond in the dynamite area. This pond is part of the central drainage area.
 - Soil samples collected from the southern portion of Grid D11 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream which drains to the unnamed pond in the dynamite area. This pond is part of the central drainage area.
 - Soil samples collected from the northeastern portion of Grid E11 and the western portion of Grid F11 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a miscellaneous pond. This pond is part of the central drainage area.
 - Soil samples collected from the northern portion of Grid D14 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to the unnamed pond in the dynamite area. This pond is part of the central drainage area.

E&E:

- The primary E&E constituents detected at concentrations exceeding the IGWSCC are TNT and 2-A-DNT.
- The primary E&E constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are TNT, 4-A-DNT and 2-A-DNT.
- The horizontal limits of soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the western ridge (Figure B-13).
- The vertical limits of soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations (Figure B-13) with the following exceptions.
 - Soil samples collected from the eastern portion of Grid B10, the eastern and southern portions of Grid A11, the southwestern portion of Grid B13 and the southeastern portion of Grid C13.
- Areas with E&E constituents detected at concentrations exceeding the IGWSCC have limited GWQS exceedances of those E&E constituents in groundwater samples, and thus do not significantly influence the quality of groundwater, with the following exceptions.
 - Soil samples collected from the PETN Area, the TNT Area and the western Dynamite and NG Areas including Grids A11, A12, A13, B10, B11, B12, B13, B14, C13, C14, D13 and D14. Soil samples from these areas indicate E&E constituents at concentrations exceeding the IGWSCC. Groundwater samples collected from these areas, indicate TNT, TNT breakdown constituents (2-A-DNT, 4-A-DNT), 2,4/2,6-DNT, and NG at concentrations exceeding the GWQS, as illustrated in Volume C – Groundwater RIR.
- Soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-13) have the potential to locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - Soil samples collected from the northern portion of Grid D14 indicate the presence of E&E constituents at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to the unnamed pond in the Dynamite Area. This pond is in the central drainage area.

- o Soil samples collected from the southwestern portion of Grid C13 indicate the presence of E&E constituents at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream which is part of the western drainage area.

PCBs:

- There were no samples with detected concentrations of Total PCBs exceeding the IGWSCC.
- There were only two samples detected concentrations exceeding the RDCSCC and no samples detected concentrations exceeding the NRDCSCC.
- The horizontal limits of soil samples with Total PCBs detected at concentrations exceeding the RDCSCC are defined by RDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the western ridge (Figure B-16).
- The vertical limits of soil samples with Total PCBs detected at concentrations exceeding the RDCSCC are defined by RDCSCC compliance at the deepest intervals at those RI sample locations (Figure B-16).
- There are no soil samples with Total PCBs detected at concentrations exceeding the RDCSCC located in close proximity to surface water features; Total PCBs in soil do not influence the quality of sediment and surface water in Area II.

5.7.3 Area II Summary

The following section provides a summary of the results presented above.

- Soils with constituents detected at concentrations exceeding the IGWSCC show a connection to groundwater quality in the TNT Area, the PETN Area, and the western Dynamite and NG Areas. Groundwater samples taken in these areas indicate TNT, TNT breakdown constituents (2-A-DNT, 4-A-DNT), 2,4/2,6-DNT and NG exceeding the GWQS, as illustrated in Volume C – Groundwater RIR.
- Soils in the remainder of Area II (eastern NG and Dynamite Areas) with E&E constituents exceeding the IGWSCC do not correlate to GWQS exceedances for those E&E constituents in groundwater samples, and thus do not significantly influence the quality of groundwater.
- VOCs were not detected at concentrations exceeding either the RDCSCC/NRDCSCC at any sample locations in Area II.
- SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are comprised primarily of PAH constituents. These constituents are primarily associated with the historically common practice of using fly ash,

bottom ash, and slag as fill material. To a lesser extent, these constituents are considered associated with historic manufacturing operations where these exceedances do not occur within the historic fill contour mapped during the RI.

- 2,4/2,6-DNT (SVOC) detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility is associated with historic manufacturing operations.
- Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are primarily associated with the historically common practice of using fly ash, bottom ash, and slag as fill material. To a lesser extent, these constituents are considered associated with historic manufacturing operations where these exceedances do not occur within the historic fill contour mapped during the RI.
- E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are associated with historic manufacturing operations.
- Total PCBs detected at concentrations exceeding the RDCSCC at the Facility are potentially associated with isolated transformers.
- The following table presents a summary of the number of samples with SCC exceedances and exceedance percentages in Area II:

Number of Locations	Number of Samples	Samples with IGWSCC Exceedances	Samples with RDCSCC Exceedances	Samples with NRDCSCC Exceedances	Percentage of Samples with IGWSCC Exceedances	Percentage of Samples with RDCSCC Exceedances	Percentage of Samples with NRDCSCC Exceedances
680	904	241	259	217	27%	29%	24%

5.8. AREA III ANALYTICAL RESULTS

This section presents and evaluates the analytical results of the soil samples collected from Area III (A-Line, Maintenance, AN, Diazo, and Western Development Areas), segregated by analytical group (Figure B-1). The following samples were collected:

- 872 horizontal and vertical delineation samples were collected within Area III from 749 SI/RI sample locations to delineate the horizontal and vertical extent of constituents present in soil exceeding the SCC.
 - Horizontal Delineation Samples:
 - 634 samples were collected during the SI;

- 627 samples were collected from AOC specific sample locations.
- Seven sediment samples were collected (considered as soil for this RIR)
- 110 samples were collected during the RI;
 - 77 samples were collected from AOC or grid based sample locations
 - 23 samples were collected from 12 AOCs reserved for the RI.
 - 10 samples were collected from DDNP Ponds.
- o Vertical Delineation Samples:
 - No vertical delineation samples were collected from this area during the SI;
 - 123 samples were collected during the RI from 108 locations;
 - 82 samples were collected from 75 AOC or grid based sample locations.
 - 28 samples were collected from 23 locations from 12 AOCs reserved for the RI.
 - 13 samples were collected from DDNP Ponds.
- Five samples were collected from four trenches to identify if any potential releases occurred at the historic hydraulic oil pipelines.

Soil samples collected during the SI were analyzed for portions of the PP+40 list (Refer to Appendix A Soils-SI) (Table B1-1). Soil samples collected during the RI (except for DDNP Pond and hydraulic oil pipeline trench samples) were analyzed for one or more of the following analytical groups based on SI exceedances: VOCs, SVOCs, Metals, E&E, and Total PCBs (Table B1-2). Soil samples collected from DDNP Pond locations were analyzed for PP+40 SVOCs, E&E, and DDNP (Table B1-3). Soil samples collected from hydraulic oil pipeline trenches were utilized to determine potential hydraulic oil pipeline releases and were analyzed for BTEX and MTBE, PAHs and PHCs (Table B1-4).

Tables B4-2, B5-2, and B5-3 present the site-wide RI sampling and analysis plans including IGWSCC, RDCSCC, and NRDCSCC exceedances by analytical group. Tables B4-3, B5-4, and B5-5 present complete the set of comparisons of RI analytical results to the SCC. Tables B4-4, B5-6, and B5-7 present a summary of the RI analytical results with SCC exceedances. Appendix B presents boring logs for all soil samples collected during the RI. Appendix C presents photographic logs for all test pits or trench excavations performed during the RI.

The following table presents a summary of Area III sample locations, number of samples, and IGWSCC exceedances by analytical group (VOCs, SVOCs, E&E, and Total PCBs).

Analytical Group	Number of Sample Locations	Number of Samples	Number of Samples with IGWSCC Exceedances	Number of Samples without IGWSCC Exceedances
VOCs	236	326	8	318
SVOCs	722	836	166	670
E&E	707	822	52	770
Total PCBs	165	255	1	254
Composite (Net)*	749*	872*	197*	675*

Note: Metals do not have IGWSCC

*= The composite (net) numbers represent the total number of sample locations and number of samples collected. Most samples collected were analyzed for multiple analytical groups. Therefore, the composite (net) number of sample locations and number of samples is less than the sum of the sample locations and number of samples, respectively, of the analytical groups.

The following table presents a summary of Area III sample locations, number of samples, and RDCSCC and NRDCSCC exceedances by analytical group.

Analytical Group	Number of Sample Locations	Number of Samples**	Number of Samples with RDCSCC Exceedances	Number of Samples with NRDCSCC Exceedances	Number of Samples without RDCSCC/NRDCSCC Exceedances
VOCs	236	326	3	0	323
SVOCs	722	836	124	88	712
Metals	619	715	241	222	474
E&E	707	822	47	18	775
Total PCBs	165	255	26	9	229
Composite (Net)*	749*	872*	325*	268*	547*

*= The composite (net) numbers represent the total number of sample locations and number of samples collected. Most samples collected were analyzed for multiple analytical groups. Therefore, the composite (net) number of sample locations and number of samples is less than the sum of the sample locations and number of samples, respectively, of the analytical groups.

** Any sample that exceeds the less stringent NRDCSCC also exceeds the RDCSCC. In order to show all exceedances of a given criteria for a given analytical group, exceedances of the NRDCSCC appear in both exceedance columns. Therefore, the **Number of Samples**** in a row is less than the sum of all exceedances and non-exceedances in that row.

The following table presents the square footage of SCC exceedances by analytical group.

Analytical Group	Square Footage of IGWSCC Exceedances	Square Footage of RDCSCC Exceedances	Square Footage of NRDCSCC Exceedances
VOCs	25,409	20,860	0
SVOCs	821,995	697,811	419,833
Metals	NA	1,488,925	1,385,154
E&E	277,288	173,301	59,395
Total PCBs	8,719	391,800	73,814
Composite (Net)*	989,129	2,128,029	1,667,188

Note: Metals do not have IGWSCC

* = The composite (net) number represents the square footage of IGWSCC, RDCSCC, and NRDCSCC area exceedances incorporating all analytical groups within Area I. It is possible for an area exceedance to have identified more than one analytical group with constituents present at concentrations exceeding the IGWSCC, RDCSCC, or NRDCSCC. Therefore, the composite (net) number may not represent the sum of the square footage for each analytical group.

Within the areas identified in the table above, a total of five VOCs, 13 SVOCs, nine Metals, seven E&E, and Total PCBs were detected at concentrations exceeding the SCC, as presented below:

VOCs - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
ACRN	UG/KG	1000	206	296	296	1	1	1370 J-1370 J
Benzene	UG/KG	1000	220	310	310	13	2	110 J-8000
CLBZ	UG/KG	1000	215	305	305	1	1	4500-4500
MTLNCL	UG/KG	1000	231	321	321	7	3	31.1 J-2861 B
TCE	UG/KG	1000	125	125	125	13	1	180 J-2100 J

VOCs - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
ACRN	UG/KG	1000	5000	206	296	296	1	1	0	1370 J-1370 J
Benzene	UG/KG	3000	13000	220	310	310	13	2	0	110 J-8000

SVOCs - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
DCBZ14	UG/KG	100000	689	803	809	1	1	330000-330000
2,4/2,6-DNT	UG/KG	0.3	707	821	825	164	164	20 J-115300 *D
BBP	UG/KG	100000	679	793	796	21	1	60 J-190000 ^D
NNSPH	UG/KG	100000	666	780	783	230	1	26.7 J-170000 J

SVOCs - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
2,4/2,6-DNT	UG/KG	940	4200	707	821	825	164	39	20	20 J-115300 *D
BZAA	UG/KG	900	4000	683	797	800	474	55	9	28 J-27500
BZAP	UG/KG	660	660	683	797	800	465	68	68	20 J-18800
BZBF	UG/KG	900	4000	683	797	800	455	93	17	40 J-40000 J
BZKF	UG/KG	900	4000	683	797	800	262	34	6	34 J-12000 J
Chrysene	UG/KG	9000	40000	683	797	800	486	5	0	32 J-24600
DBAHA	UG/KG	660	660	683	797	800	104	9	9	43 J-3900 J
INP123	UG/KG	900	4000	683	797	800	259	25	4	45 J-7600 J
NNSPR	UG/KG	660	660	678	792	795	5	1	1	30.2 J-1500
NNSM	UG/KG	10	60	578	591	594	1	1	1	330 J-330 J
NNSPH	UG/KG	140000	600000	666	780	783	230	1	0	26.7 J-170000 J

Metals - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
Antimony	MG/KG	14	340	618	714	716	247	10	1	0.007 J-1140 N
Arsenic	MG/KG	20	20	618	714	716	710	146	146	0.932 J-1150 *
Beryllium	MG/KG	2	2	618	714	716	714	1	1	0.049 J-5.2
Copper	MG/KG	600	600	618	714	716	712	25	25	0.550 J-58400 J

Metals - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
Lead	MG/KG	400	600	618	714	716	714	116	84	1.09 J-100000
Mercury	MG/KG	14	270	619	715	717	653	21	0	0.0031 J-138 J
Nickel	MG/KG	250	2400	618	714	716	714	5	0	1.98-1070
Thallium	MG/KG	2	2	618	714	716	209	29	29	0.012-8.88
Zinc	MG/KG	1500	1500	618	714	716	715	17	17	1.25 J-26400 J

Note: Metals do not have IGWSCC

E&E - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
DNB13	UG/KG	20	356	471	473	16	13	160 J-1900 J
TNT	UG/KG	40	356	471	473	64	42	106 J-3628160 !D
2-A-DNT	UG/KG	40	355	470	472	7	7	200 J-290000 J

E&E - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
TNT	UG/KG	21000	95000	356	471	473	64	3	3	106 J-3628160 !D
2-A-DNT	UG/KG	4700	61000	355	470	472	7	2	1	200 J-290000 J
4-A-DNT	UG/KG	4700	61000	356	471	473	6	2	0	510 J-12000 J
RDX	UG/KG	5800	26000	356	471	473	14	3	1	130 J-37000 J
NC	UG/KG	10000000	10000000	347	462	465	241	8	8	51000 J-33700000 J
NG	UG/KG	46000	200000	355	470	472	138	44	14	1800-1670000 D

PCBs - IGWSCC Exceedances:

Constituent	UNITS	IGWSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of IGWSCC Exceedances	Concentration Range Min. - Max.
Total PCBs	UG/KG	50000	165	255	255	92	1	4.1J-150000

PCBs - RDCSCC/NRDCSCC Exceedances:

Constituent	UNITS	RDCSCC	NRDCSCC	Number of Locations	Number of Samples	Number of Analysis	Number of Detections	Number of RDCSCC Exceedances	Number of NRDCSCC Exceedances	Concentration Range Min. - Max.
Total PCBs	UG/KG	490	2000	165	255	255	92	26	9	4.1J-150000

5.8.1 AOCs Reserved for the RI

Twelve AOCs located in Area III were not sampled as part of the Soils – SI and were reserved for the RI for investigation activities (Figure B-46). Table B4-1 presents the justification for reserving the AOCs for the RI. The following AOCs were reserved for the RI:

Former Operational Area	AOC (Soils-SI Designation)	AOC Name
Diazo	H8-1	DDNP Ponds
Diazo	H8-584	Can Stop Paint Shop
Maintenance	G9-4	Buried Drum Area
Maintenance	H11-1	Former Burning Ground
A-Line	E9-1	Store House
A-Line	E9-2119	Dry House
A-Line	E9-2337	100-ft. Dryer
A-Line	F10-2094	NC Weigh House
A-Line	G8-2110	Cut Powder Store
AN	H12-237	Former Burning Ground
AN	H13-1	Unknown Name
AN	H13-7	Stressed Vegetation

Samples collected from the former Diazo ponds (H8-1 and H8-584) were analyzed for a unique analyte list that contained an extended SVOC and E&E constituent list including DDNP. For the purpose of sample identification, the samples all were named using the H8-1 site designation. The horizontal and vertical limits of samples from AOCs reserved for the RI are discussed below in Section 5.8.2 Discussion of Analytical Results.

5.8.2 Discussion of Analytical Results

The following section presents a summary and interpretation of the analytical results of the SI and RI soil sampling efforts. Results are organized by analytical group, and groups are further organized in bullet form by categories such as criteria comparison, extent of affected areas, and possible interactions with groundwater and surface water/sediment.

VOCs:

- The primary VOC constituents detected at concentrations exceeding the IGWSCC are Benzene and MTLNCL.

- The only VOC constituents detected at concentration exceeding the RDCSCC were ACRN and Benzene.
- There were no VOC constituents detected at concentrations exceeding the NRDCSCC.
- The horizontal limits of soil samples with VOCs detected at concentrations exceeding the RDCSCC are defined by RDCSCC compliance at adjacent sample locations (Figure B-5).
- There are no exceedances of the RDCSCC from vertical samples in Area III.
- Areas with VOCs detected at concentrations exceeding the IGWSCC do not have associated GWQS exceedances. The Revised GW- SI Report and Volume C – Groundwater RIR present the groundwater investigation results.
- No soil samples with VOCs detected at concentrations exceeding the RDCSCC or are located in close proximity to surface water features (Figure B-5). Therefore, VOCs in soil are not potential influences to surface water and sediments in Area III.

SVOCs:

- The primary SVOC constituent detected at concentrations exceeding the IGWSCC is 2,4/2,6-DNT.
- The majority of SVOC constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are PAHs commonly associated with historic fill.
- The horizontal limits of soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundaries of the eastern and western ridges with the following exception (Figure B-8, Table B4-5):
 - Soil samples collected from the central portion of Grid G6 and the northwestern portion of H6. Horizontal limits are not defined by analytical data in the northern direction.
- The vertical limits of soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations with the following exceptions (Figure B-8, Table B5-8):
 - Soil samples collected from the central portion of Grid H8.

- Areas with SVOCs detected at concentrations exceeding the IGWSCC have no GWQS exceedances of those SVOCs in groundwater samples, and thus do not influence the quality of groundwater.
- Soil samples with SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-8) have the potential to locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - Soil samples collected from the northern and central portion of Grid F11 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream that drains to a miscellaneous pond. This pond is part of the central drainage area.
 - Soil samples collected from the western and southern portions of Grid H11 and the northern portion of Grid H12 indicate the presence of SVOCs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream that is a part of the eastern drainage area.

Metals:

- There are no established IGWSCC standards for Metals.
- The primary Metal constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are Arsenic, Lead, and Thallium. Arsenic and Lead are commonly associated with historic fill.
- The horizontal limits of soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundary of the eastern and western ridges with the following exceptions (Figure B-11, Table B4-5):
 - Soil samples collected from the eastern portion of Grid G13, the southwestern portion of Grid H13, and the northern portion of Grid H14. Horizontal limits are not defined by analytical data in the southeastern direction.
- The vertical limits of soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations with the following exception (Figure B-11, Table B4-6):
 - Soil samples collected from the southeastern portion of Grid H12.

- Soil samples with Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-11) have the potential to locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - o Soil samples collected from the southwestern portion of Grid I11 and southeastern portion of Grid H11 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to streams in the eastern drainage area.
 - o Soil samples collected from the western portion of Grid H11 and the northwest portion of Grid H12 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream in the eastern drainage area.
 - o Soil samples collected from the northern and central portions of Grid F11 indicate the presence of Metals at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream which drains to a miscellaneous pond. This pond is in the central drainage area.

E&E:

- The primary E&E constituents detected at concentrations exceeding the IGWSCC are TNT, DNB13, and 2-A-DNT.
- The primary E&E constituents detected at concentrations exceeding the RDCSCC/NRDCSCC are TNT and NG.
- The horizontal limits of soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundaries of the eastern and western ridge (Figure B-14).
- The vertical limits of soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent RI sample locations (Figure B-14).
- Areas with E&E constituents detected at concentrations exceeding the IGWSCC have no GWQS exceedances of those E&E constituents in groundwater samples, and thus do not influence the quality of groundwater in Area III.
- There were no soil samples with E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features in Area III. Therefore E&E constituents in soil in Area III do not significantly influence the quality of surface water or sediment.

PCBs:

- There was only one sample with detected concentrations of Total PCBs exceeding the IGWSCC.
- The horizontal limits of soil samples with Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at adjacent sample locations and are further defined by the physical boundaries of the eastern and western ridges (Figure B-17).
- The vertical limits of soil samples with Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC are defined by RDCSCC/NRDCSCC compliance at the deepest interval at those sample locations (Figure B-17).
- The area with Total PCBs detected at concentrations exceeding the IGWSCC has no GWQS exceedances of Total PCBs in groundwater samples, and thus does not influence the quality of groundwater (Refer to Volume C – Groundwater RIR).
- Soil samples with Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC located in close proximity to surface water features (Figure B-17) have the potential to locally affect the quality of surface water and sediments, although it is not the intent of this volume to fully characterize these interactions. Cross-media interactions are fully explored in Volume A of the RIR.
 - Soil samples collected from the western portion of Grid H11 indicate the presence of Total PCBs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream in the eastern drainage area.
 - Soil samples collected from the northern portion of Grid F11 indicate the presence of Total PCBs at concentrations exceeding either the RDCSCC or NRDCSCC and are located in close proximity to a stream which feeds a miscellaneous pond. This pond is part of the central drainage system.

5.8.3 Hydraulic Oil Pipeline Investigation

Five soil samples were collected from four trenches excavated in the A-Line and Maintenance Areas (SB-R-TR-01 to SB-R-TR-05) (Figure B-1). One soil sample was collected from each trench. Benzene was detected in trench SB-R-TR-02 exceeding the RDCSCC. No BTEX, MTBE, PAHs, or PHCs were identified in any other trench at concentrations exceeding the SCC (Table B5-7). The results of the fingerprint scan for

trenches SB-R-TR-02/03/04/05 identified the potential presence of motor or lubricating oil or PHCs (Table B5-5).

5.8.4 Recently Identified AOCs Not Previously Investigated

One additional AOC (debris area) was identified during implementation of RI field activities in Area III (Figure B-47). This area appears to have been a historically low lying isolated portion of the Facility that was filled with debris (historic fill, scrap steel/iron, and general refuse). During the RI, a test pit was excavated within the center of the anticipated AOC boundary to visually classify the lithology and debris material. Test pit logs are presented in Appendix B and photos are presented in Appendix C.

The intention of the test pit was to provide a preliminary assessment of the nature of the debris present within the area. This area will be addressed along with other recently identified debris areas in Area I in the future actions work plan included in Volume A.

5.8.5 Area III Summary

The following section provides a summary of the results presented above.

- Soils with constituents detected at concentrations exceeding the IGWSCC show a very limited connection to groundwater quality; with the following exception:
 - Soil samples collected from the northern portion of Grid L11 indicate TNT and 2,4/2,6-DNT at concentrations exceeding the IGWSCC. Groundwater samples collected from this area, specifically MW-27, indicate TNT breakdown constituents (2-A-DNT, 4-A-DNT) and 2,4/2,6-DNT at concentrations exceeding the GWQS, as illustrated in Volume C – Groundwater RIR
- VOCs were detected at concentrations exceeding the RDCSCC at very few sample locations and do not represent a significant environmental condition. The source for the VOCs is believed to be historic small single release events (likely attributed to maintenance activities).
- SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are comprised primarily of PAH constituents. These constituents are primarily associated with the historically common practice of using fly ash, bottom ash, and slag as fill material. To a lesser extent, these constituents are

associated with historic manufacturing operations where these exceedances do not occur within the historic fill contour.

- The fingerprint scan performed on two samples from the Hydraulic Oil Trench Investigation indicated the potential presence of residual motor or lubricating oil, and this is not associated with the former hydraulic oil pipelines. These samples were collected adjacent to the Maintenance Area and likely represent residuals from historic maintenance activities.
- 2,4/2,6-DNT (SVOC) detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are associated with historic manufacturing operations.
- Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are primarily associated with the historically common practice of using fly ash, bottom ash, and slag as fill material (historic fill) to improve the grade of the Facility, recover unusable land, and establish numerous narrow gauge rail beds. To a lesser extent, these constituents are associated with historic manufacturing operations where these exceedances do not occur within the historic fill areal extent contour.
- E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are associated with historic manufacturing operations.
- Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC in the central Maintenance Area are associated with historical maintenance, power generation and power transmission activities. Other isolated exceedances are potentially due to the presence of individual transformers.
- The following table presents a summary of the number of samples with SCC exceedances and exceedance percentages:

Number of Locations	Number of Samples	Samples with IGWSCC Exceedances	Samples with RDCSCC Exceedances	Samples with NRDCSCC Exceedances	Percentage of Samples with IGWSCC Exceedances	Percentage of Samples with RDCSCC Exceedances	Percentage of Samples with NRDCSCC Exceedances
749	872	197	325	268	23%	37%	31%

6.0 CONCLUSIONS

The following section provides the conclusions for Volume B (Soils) of the RIR. These conclusions are based on the evaluation of 3,309 laboratory analyzed soil samples (1,295 RI samples and 2,014 SI samples) collected throughout the Facility. The results of SI sampling and analyses were used to select the focused laboratory analyses performed in the RI. Specifically, the RI analyte list is comprised of any constituent identified at concentrations exceeding the applicable soil cleanup criteria presented in the Soils-SI.

In addition to laboratory analyses, professional judgment based on extensive historic E&E manufacturing operations was considered. Key personnel consulted included Harry Pascoe (Facility Historian and former Employee), Karl Broton (former Facility Employee), Peter Braxton (former Facility Employee and Area Manager), Raymond Hunt (former Facility Safety and Environmental Manager), James Bevis (present Facility Manager), and Edward Meeks (Energetic Materials Specialist).

The conclusions of each media-specific volume of the RIR are also presented in Volume A, where they are combined and further developed to define the overall site-wide characterization of the Facility. In addition, recommendations for moving forward with further characterization or remediation of the Facility are presented in Volume A.

6.1. SOIL RI SPECIFIC CONCLUSIONS

The following sections provide the specific conclusions drawn from interpretation of soil data collected during the RI.

6.1.1 Quality Assurance/Quality Control

The required sample frequencies and analytical suites presented in the Revised Site-Wide RIWP were met for all soil samples collected during the RI with the exception of 20 samples that could not be collected due to refusal or lack of recovery (discussed in Section 2.4.5). However, due to the large number of samples collected, the intent of the RI were met and these samples were not necessary.

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

6.1.2 Historic Fill

Historic fill emplaced at the Facility is likely composed to some small degree of fly ash, bottom ash, and slag generated from on-site boilers. However, due to the short duration of the major expansion from 1912 to 1914 only a small portion of the total historic fill emplaced during the expansion was from on-site boilers. The majority of the historic fill originated from off-site sources and is believed to have possessed Metal and PAH constituents prior to entering the facility.

The deposition of historic fill appears to be widespread and heterogeneously distributed at the Facility. The total estimated areal extent of historic fill at the Facility is 161 acres. Given the broad distribution of historic fill, it is likely that additional historic fill will be encountered throughout the formerly developed portions of the Facility.

Analytical samples collected during the SI and RI within areas of known historic fill exhibit a wide range of detected constituent concentrations. The detected constituents and constituent concentrations of historic fill samples are similar to the constituents and constituent concentrations in Table 4-2 of N.J.A.C 7:26E-4.6 Remedial Investigation of Landfills and Historic Fill Material (Summary of Target Contaminant Concentrations in Typical Historic Fill Material). However, the concentrations of detected historic fill constituents are not consistent within the historic fill sample data set. This suggests that multiple sources of historic fill were secured from off-site sources and emplaced at the Facility.

6.1.3 Historical Redevelopment, Reworking and Decontamination

The Facility was operational for approximately 125 years and underwent substantial redevelopment activities including capital improvements and expansion activities, re-grading of the ground surface, demolition and decontamination activities, etc. These activities significantly disturbed the ground surface resulting in atypical heterogeneity. The Facility ceased operations in 1996 and underwent further demolition activities from 1996 to the present, further disturbing the ground surface.

Analytical samples collected for the Soils-SI were collected from 1999-2001, during the demolition activities initiated after the Facility closure. Disturbance of surface and near surface soil after the completion of the SI may have had an effect on concentrations of some constituents in some areas. Introduction of oxygen caused by physical movement of the soil may have promoted volatilization and biodegradation of some constituents. Furthermore, the breakdown of some constituents may have been promoted by the exposure to ultraviolet rays in sunlight. While these effects are likely minimal, results from the Soils-SI can be considered slightly conservative.

6.1.4 Analytical Results

The results of the laboratory analysis of the soil samples identified a total of 9,012,622 sq. ft. site-wide with constituents detected at concentrations exceeding the IGWSCC, the RDCSCC or the NRDCSCC, presented below by analytical group:

Analytical Group	Square Footage of IGWSCC Exceedances	Square Footage of RDCSCC Exceedances	Square Footage of NRDCSCC Exceedances
VOCs	99,523	51,497	0
SVOCs	2,951,659	2,188,283	1,366,838
Metals	NA	5,596,892	5,061,505
E&E	1,486,191	776,056	354,042
Total PCBs	12,295	671,121	116,347
Composite (Net)*	3,775,558	7,621,458	6,122,695

Note: Metals do not have IGWSCC

* = The composite (net) number represents the square footage of IGWSCC, RDCSCC, and NRDCSCC area exceedances incorporating all analytical groups site-wide. It is possible for an area exceedance to have identified more than one analytical group with constituents present at concentrations exceeding the IGWSCC, RDCSCC, or

NRDCSCC. Therefore, the composite (net) number may not represent the sum of the square footage for each analytical group.

Within the areas identified in the table above, the results of the soil sample laboratory analysis identified five VOCs, 19 SVOCs, 12 Metals, 8 E&E, and Total PCBs at concentrations exceeding the IGWSCC, RDCSCC or the NRDCSCC.

- Limited influence to groundwater from constituents in soil were noted across the site with three exceptions.
 - Soil samples collected from the southern portion of Grid L10 and northern portion of Grid L11 indicate TNT and 2,4/2,6-DNT at concentrations exceeding the IGWSCC. Groundwater samples collected from this area, specifically MW-27, indicate TNT breakdown constituents (2-A-DNT, 4-A-DNT) and 2,4/2,6-DNT at concentrations exceeding the GWQS, as illustrated in Volume C – Groundwater RIR
 - Soils with constituents detected at concentrations exceeding the IGWSCC show a connection to groundwater quality in the TNT Area, the PETN Area, and the western Dynamite and NG Areas. Groundwater samples taken in these areas indicate TNT, TNT breakdown constituents (2-A-DNT, 4-A-DNT), 2,4/2,6-DNT and NG exceeding the GWQS, as illustrated in Volume C – Groundwater RIR.
- VOCs were detected at concentrations exceeding either the RDCSCC/NRDCSCC at very few sample locations and do not represent a significant environmental condition. The source for the VOCs is believed to be small historic single release events (likely attributed to maintenance activities).
- SVOCs detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are comprised primarily of PAH constituents. These constituents are primarily associated with the historically common practice of using fly ash, bottom ash, and slag as fill material (historic fill) to improve the grade of the Facility, recover unusable land, and establish numerous narrow gauge rail beds. To a lesser extent, these constituents are associated with historic manufacturing operations where these exceedances do not occur within the historic fill contour.
- 2,4/2,6-DNT (SVOC) detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are associated with historic manufacturing operations.
- Metals detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are primarily associated with the historically common practice of using fly ash, bottom ash, and slag as fill material (historic fill) to improve the grade of the Facility, recover unusable land, and establish numerous narrow gauge rail beds. To a lesser extent, these constituents are associated with historic

manufacturing operations where these exceedances do not occur within the historic fill areal extent contour.

- E&E constituents detected at concentrations exceeding either the RDCSCC or NRDCSCC at the Facility are associated with historic manufacturing operations
- Total PCBs detected at concentrations exceeding either the RDCSCC or NRDCSCC in the central Maintenance Area are associated with historical maintenance, power generation and power transmission activities. Other isolated exceedances are potentially due to the presence of individual transformers at various locations throughout the Facility.

6.2. GENERAL CONCLUSION

The Kenvil Facility was operational for approximately 125 years and represented a major E&E manufacturer for every war and conflict fought by the United States and its allies throughout the 20th century. In addition to military production, the facility also substantially supported mining, construction, and oil exploration activities..

Following this long and active history, constituents detected above the SCC are contained within the Facility and occur primarily within the former operational areas. The horizontal extent of constituents detected at concentrations exceeding the SCC is well defined. The vertical extent of constituents detected at concentrations exceeding the SCC is largely defined. Limited additional characterization may be warranted prior to selecting the appropriate remedial action in the forthcoming remedial action selection report (RASR).

FIGURES

TABLES

Table B1-1

Soil - SI Analytical Methods and Criteria Summary
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Analytical Group		Constituent	Units	IGWSCC	Source of IGWSCC	RDCSCC	NRDCSCC	Analytical Method	Source of RDCSCC/NRDCSCC
VOCS	1,1,1-TRICHLOROETHANE		UG/KG	50000	NJSCC 1999	210000	1000000	SW8260A	NJSCC 1999
	1,1,2,2-TETRACHLOROETHANE		UG/KG	1000	NJSCC 1999	34000	70000	SW8260B	NJSCC 1999
VOCS	1,1,2-TRICHLOROETHANE		UG/KG	1000	NJSCC 1999	22000	420000	SW8260B	NJSCC 1999
VOCS	1,1-DICHLOROETHANE		UG/KG	10000	NJSCC 1999	570000	1000000	SW8260B	NJSCC 1999
VOCS	1,1-DICHLOROETHENE		UG/KG	10000	NJSCC 1999	8000	150000	SW8260A	NJSCC 1999
VOCS	1,2-DICHLOROETHANE		UG/KG	1000	NJSCC 1999	6000	24000	SW8260B	NJSCC 1999
VOCS	1,2-DICHLOROPROPANE		UG/KG	NS	NA	10000	43000	SW8260A	NJSCC 1999
VOCS	2-CHLOROETHYL VINYL ETHER		UG/KG	NS	NA	NS	NS	SW8260B	NA
VOCS	ACETONITRILE		UG/KG	NS	NA	NS	NS	SW8260B	NA
VOCS	ACROLEIN		UG/KG	NS	NA	NS	NS	SW8260B	NA
VOCS	ACRYLONITRILE		UG/KG	1000	NJSCC 1999	1000	5000	SW8260A	NJSCC 1999
VOCS	BENZENE		UG/KG	1000	NJSCC 1999	3000	13000	SW8260B	NJSCC 1999
VOCS	BROMODICHLOROMETHANE		UG/KG	1000	NJSCC 1999	11000	46000	SW8260A	NJSCC 1999
VOCS	BROMOFORM		UG/KG	1000	NJSCC 1999	86000	370000	SW8260B	NJSCC 1999
VOCS	BROMOMETHANE		UG/KG	1000	NJSCC 1999	79000	1000000	SW8260A	NJSCC 1999
VOCS	CARBON TETRACHLORIDE		UG/KG	1000	NJSCC 1999	2000	4000	SW8260A	NJSCC 1999
VOCS	CHLOROBENZENE		UG/KG	1000	NJSCC 1999	37000	680000	SW8260A	NJSCC 1999
VOCS	CHLOROETHANE		UG/KG	NS	NA	NS	NS	SW8260A	NA
VOCS	CHLOROFORM		UG/KG	1000	NJSCC 1999	19000	28000	SW8260A	NJSCC 1999
VOCS	CHLOROMETHANE		UG/KG	10000	NJSCC 1999	520000	1000000	SW8260A	NJSCC 1999
VOCS	cis-1,2-DICHLOROPROPENE		UG/KG	NS	NA	NS	NS	SW8260B	NA
VOCS	cis-1,3-DICHLOROPROPENE		UG/KG	NS	NA	NS	NS	SW8260B	NA
VOCS	DIBROMOCHLOROMETHANE		UG/KG	1000	NJSCC 1999	110000	1000000	SW8260A	NJSCC 1999
VOCS	ETHYLBENZENE		UG/KG	100000	NJSCC 1999	1000000	1000000	SW8260A	NJSCC 1999
VOCS	METHYLENE CHLORIDE		UG/KG	1000	NJSCC 1999	49000	210000	SW8260A	NJSCC 1999
VOCS	TETRACHLOROETHYLENE (PCE)		UG/KG	1000	NJSCC 1999	4000	6000	SW8260A	NJSCC 1999
VOCS	TOLUENE		UG/KG	500000	NJSCC 1999	1000000	1000000	SW8260A	NJSCC 1999
VOCS	trans-1,2-DICHLOROETHENE		UG/KG	50000	NJSCC 1999	1000000	1000000	SW8260A	NJSCC 1999
VOCS	TRICHLOROETHYLENE (TCE)		UG/KG	1000	NJSCC 1999	23000	54000	SW8260A	NJSCC 1999
VOCS	VINYL CHLORIDE		UG/KG	10000	NJSCC 1999	2000	7000	SW8260A	NJSCC 1999
SVOCS	1,2,4-TRICHLOROBENZENE		UG/KG	100000	NJSCC 1999	68000	1200000	SW8270C	NJSCC 1999
SVOCS	1,2-DICHLOROBENZENE		UG/KG	50000	NJSCC 1999	5100000	10000000	SW8270C	NJSCC 1999
SVOCS	1,2-DIPHENYLHYDRAZINE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	1,3-DICHLOROBENZENE		UG/KG	100000	NJSCC 1999	5100000	10000000	SW8270C	NJSCC 1999
SVOCS	1,4-DICHLOROBENZENE		UG/KG	100000	NJSCC 1999	570000	10000000	SW8270C	NJSCC 1999
SVOCS	2,2'-OXYBIS(1-CHLORO)PROPANE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	2,4,6-TRICHLOROPHENOL		UG/KG	10000	NJSCC 1999	62000	270000	SW8270C	NJSCC 1999
SVOCS	2,4-DICHLOROPHENOL		UG/KG	10000	NJSCC 1999	170000	3100000	SW8270C	NJSCC 1999
SVOCS	2,4-DIMETHYLPHENOL		UG/KG	10000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
SVOCS	2,4-DINITROPHENOL		UG/KG	10000	NJSCC 1999	110000	2100000	SW8270C	NJSCC 1999
SVOCS	2,4/2,6-DINITROTOLUENE		UG/KG	0.3*	Site Specific Screening Level, Provided by NJDEP June 2003	940*	4200*	SW8270C	Site Specific Screening Level, Provided by NJDEP June 2003
SVOCS	2-CHLORONAPHTHALENE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	2-CHLOROPHENOL		UG/KG	10000	NJSCC 1999	280000	5200000	SW8270C	NJSCC 1999
SVOCS	2-NITROPHENOL		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	3,3'-DICHLOROBENZIDINE		UG/KG	100000	NJSCC 1999	2000	6000	SW8270C	NJSCC 1999
SVOCS	4,6-DINITRO-2-METHYLPHENOL		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	4-BROMOPHENYL PHENYL ETHER		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	4-CHLORO-3-METHYLPHENOL		UG/KG	100000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS	4-CHLOROPHENYL PHENYL ETHER		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	4-NITROPHENOL		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	ACENAPHTHENE		UG/KG	100000	NJSCC 1999	3400000	10000000	SW8270C	NJSCC 1999

Table B1-1

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Analytical Group		Constituent	Units	IGWSCC	Source of IGWSCC	RDCSCC	NRDCSCC	Analytical Method	Source of RDCSCC/NRDCSCC
SVOCS	ACENAPHTHYLENE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	ANTHRACENE		UG/KG	100000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS	BENZIDINE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	BENZO(a)ANTHRACENE		UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
SVOCS	BENZO(a)PYRENE		UG/KG	100000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
SVOCS	BENZO(b)FLUORANTHENE		UG/KG	50000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
SVOCS	BENZO(g,h,i)FLUORANTHENE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	BENZO(g,h,i)PERYLENE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	BENZO(k)FLUORANTHENE		UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
SVOCS	BENZYL BUTYL PHTHALATE		UG/KG	100000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
SVOCS	bis(2-CHLOROETHOXY) METHANE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)		UG/KG	10000	NJSCC 1999	660	3000	SW8270C	NJSCC 1999
SVOCS	bis(2-CHLOROISOPROPYL) ETHER		UG/KG	10000	NJSCC 1999	2300000	10000000	SW8270C	NJSCC 1999
SVOCS	bis(2-ETHYLHEXYL) PHTHALATE		UG/KG	100000	NJSCC 1999	49000	210000	SW8270C	NJSCC 1999
SVOCS	CHRYSENE		UG/KG	500000	NJSCC 1999	9000	40000	SW8270C	NJSCC 1999
SVOCS	DI-n-BUTYL PHTHALATE		UG/KG	100000	NJSCC 1999	5700000	10000000	SW8270C	NJSCC 1999
SVOCS	DI-n-OCTYLPHthalate		UG/KG	100000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
SVOCS	DIBENZ(a,h)ANTHRACENE		UG/KG	100000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
SVOCS	DIETHYL PHTHALATE		UG/KG	50000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS	DIMETHYL PHTHALATE		UG/KG	50000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS	FLUORANTHENE		UG/KG	100000	NJSCC 1999	2300000	10000000	SW8270C	NJSCC 1999
SVOCS	FLUORENE		UG/KG	100000	NJSCC 1999	2300000	10000000	SW8270C	NJSCC 1999
SVOCS	HEXACHLOROBENZENE		UG/KG	100000	NJSCC 1999	660	2000	SW8270C	NJSCC 1999
SVOCS	HEXACHLOROBUTADIENE		UG/KG	100000	NJSCC 1999	1000	21000	SW8270C	NJSCC 1999
SVOCS	HEXACHLOROCYCLOPENTADIENE		UG/KG	100000	NJSCC 1999	400000	7300000	SW8270C	NJSCC 1999
SVOCS	HEXACHLOROETHANE		UG/KG	100000	NJSCC 1999	6000	100000	SW8270C	NJSCC 1999
SVOCS	INDENO(1,2,3-c,d)PYRENE		UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
SVOCS	ISOPHORONE		UG/KG	50000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
SVOCS	N-NITROSODI-n-PROPYLAMINE		UG/KG	10000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
SVOCS	N-NITROSODIMETHYLAMINE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	N-NITROSODIPHENYLAMINE		UG/KG	100000	NJSCC 1999	140000	600000	SW8270C	NJSCC 1999
SVOCS	NAPHTHALENE		UG/KG	100000	NJSCC 1999	230000	4200000	SW8270C	NJSCC 1999
SVOCS	PENTACHLOROPHENOL		UG/KG	100000	NJSCC 1999	6000	24000	SW8270C	NJSCC 1999
SVOCS	PHENANTHRENE		UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	PHENOL		UG/KG	50000	NJSCC 1999	10000000	10000000	SW9065	NJSCC 1999
SVOCS	PYRENE		UG/KG	100000	NJSCC 1999	1700000	10000000	SW8270C	NJSCC 1999
METALS	ANTIMONY		MG/KG	NS	NA	14	340	SW6010B	NJSCC 1999
METALS	ARSENIC		MG/KG	NS	NA	20	20	SW6010B	NJSCC 1999
METALS	BERYLLIUM		MG/KG	NS	NA	2	2	SW6010B	NJSCC 1999
METALS	CADMIUM		MG/KG	NS	NA	39	100	SW6010B	NJSCC 1999
METALS	CHROMIUM, TOTAL		MG/KG	NS	NA	120000	NS	SW6010B	NJSCC 1999
METALS	COPPER		MG/KG	NS	NA	600	600	SW6010B	NJSCC 1999
METALS	LEAD		MG/KG	NS	NA	400	600	SW6010B	NJSCC 1999
METALS	MERCURY		MG/KG	NS	NA	14	270	SW7471A	NJSCC 1999
METALS	NICKEL		MG/KG	NS	NA	250	2400	SW6010B	NJSCC 1999
METALS	SELENIUM		MG/KG	NS	NA	63	3100	SW6010B	NJSCC 1999
METALS	SILVER		MG/KG	NS	NA	110	4100	SW6010B	NJSCC 1999
METALS	THALLIUM		MG/KG	NS	NA	2	2	SW6010B	NJSCC 1999
METALS	ZINC		MG/KG	NS	NA	1500	1500	SW6010B	NJSCC 1999
E&E	1,3,5-TRICHLOROBENZENE		UG/KG	NS	NA	NS	NS	SW8330	NA

Table B1-1

Soil - SI Analytical Methods and Criteria Summary
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Analytical Group		Constituent	Units	IGWSCC	Source of IGWSCC	RDCSCC	NRDCSCC	Analytical Method	Source of RDCSCC/NRDCSCC
E&E	1,3,5-TRINITROBENZENE		UG/KG	NS	NA	2300000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	1,3-DINITROBENZENE		UG/KG	20*	Site Specific Screening Level, Provided by NJDEP June 2003	7800*	100000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	2,4,6-TRINITROTOLUENE		UG/KG	40*	Site Specific Screening Level, Provided by NJDEP June 2003	21000*	95000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	2-AMINO-4,6-DINITROTOLUENE		UG/KG	40*	Site Specific Screening Level, Provided by NJDEP June 2003	4700*	61000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	2-NITROTOLUENE		UG/KG	NS	NA	780000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	3-NITROTOLUENE		UG/KG	NS	NA	1600000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	4-AMINO-2,6-DINITROTOLUENE		UG/KG	NS	NA	4700*	61000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	4-NITROTOLUENE		UG/KG	NS	NA	780000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	DIAZODINITROPHENOL		UG/KG	NS	NA	10000000	10000000	SW8330	NJSCC 1999
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		UG/KG	NS	NA	5800*	26000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	NITROBENZENE		UG/KG	10000	NJSCC 1999	39000*	510000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	NITROCELLULOSE		UG/KG	NS	NA	NS	NS	IAPP	NA
E&E	NITROGLYCERIN		UG/KG	NS	NA	46000*	200000*	SW8332	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)		UG/KG	NS	NA	3900000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	PENTAERYTHRITOL TETRANITRATE		UG/KG	NS	NA	NS	NS	SW 8330	NA
E&E	TETRYL		UG/KG	NS	NA	780000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
PCBS	PCB-1016 (AROCHLOR 1016)		UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1221 (AROCHLOR 1221)		UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	TOTAL PCBS		UG/KG	50000	NJSCC 1999	490	2000	SW8082	NJSCC 1999
GENERAL CHEMISTRY	NITROGEN, AMMONIA (AS N)		MG/KG	NS	NA	NS	NS	E350.2	NA
GENERAL CHEMISTRY	pH		PH	NS	NA	NS	NS	SW9045C	NA
GENERAL CHEMISTRY	SOLIDS, PERCENT		PERCENT	NS	NA	NS	NS	D2216	NA

Notes:
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not applicable
NS = No standard
* Site Specific Screening Level = Criteria were provided to Hercules by NJDEP in the June 19, 2003 Correspondence
NJSCC 1999 = NJDEP Soil Cleanup Criteria last revised on May 12, 1999

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Soil - RI Analytical Methods and Criteria Summary
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Analytical Group		Constituent	Units	IGWSCC	Source of IGWSCC	RDCSCC	NRDCSCC	Analytical Method	Source of RDCSCC/NRDCSCC
VOCS	ACRYLONITRILE		UG/KG	1000	NJSCC 1999	1000	5000	SW8260B	NJSCC 1999
	BENZENE		UG/KG	1000	NJSCC 1999	3000	13000	SW8260B	NJSCC 1999
	CHLOROBENZENE		UG/KG	1000	NJSCC 1999	37000	680000	SW8260B	NJSCC 1999
	METHYLENE CHLORIDE		UG/KG	1000	NJSCC 1999	49000	210000	SW8260B	NJSCC 1999
	TETRACHLOROETHYLENE (PCE)		UG/KG	1000	NJSCC 1999	4000	6000	SW8260B	NJSCC 1999
	1,4-DICHLOROBENZENE		UG/KG	100000	NJSCC 1999	570000	10000000	SW8270C	NJSCC 1999
	2,4-DINITROPHENOL		UG/KG	10000	NJSCC 1999	110000	2100000	SW8270C	NJSCC 1999
SVOCS	2,4/2,6-DINITROTOLUENE		UG/KG	0.3*	Site Specific Screening Level, Provided by NJDEP June 2003	940*	4200*	SW8270C	Site Specific Screening Level, Provided by NJDEP June 2003
	BENZO(A)ANTHRACENE		UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
	BENZO(A)PYRENE		UG/KG	100000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
	BENZO(B)FLUORANTHENE		UG/KG	50000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
	BENZO(K)FLUORANTHENE		UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
	BENZYL BUTYL PHTHALATE		UG/KG	100000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
	BIS(2-ETHYLHEXYL) PHTHALATE		UG/KG	100000	NJSCC 1999	49000	210000	SW8270C	NJSCC 1999
	CHRYSENE		UG/KG	500000	NJSCC 1999	9000	40000	SW8270C	NJSCC 1999
	DI-N-BUTYL PHTHALATE		UG/KG	100000	NJSCC 1999	5700000	10000000	SW8270C	NJSCC 1999
	DIBENZ(A,H)ANTHRACENE		UG/KG	100000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
	DIETHYL PHTHALATE		UG/KG	50000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
	INDENO(1,2,3-C,D)PYRENE		UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
	N-NITROSODI-N-PROPYLAMINE		UG/KG	10000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
	N-NITROSODIPHENYLAMINE		UG/KG	100000	NJSCC 1999	140000	600000	SW8270C	NJSCC 1999
	METALS	ANTIMONY	MG/KG	NS	NA	14	340	SW6010B	NJSCC 1999
	METALS	ARSENIC	MG/KG	NS	NA	20	20	SW6010B	NJSCC 1999
	METALS	BERYLLIUM	MG/KG	NS	NA	2	2	SW6010B	NJSCC 1999
	METALS	CADMIUM	MG/KG	NS	NA	39	100	SW6010B	NJSCC 1999
	METALS	COPPER	MG/KG	NS	NA	600	600	SW6010B	NJSCC 1999
E&E	LEAD		MG/KG	NS	NA	400	600	SW6010B	NJSCC 1999
	MERCURY		MG/KG	NS	NA	14	270	SW7471A	NJSCC 1999
	NICKEL		MG/KG	NS	NA	250	2400	SW6010B	NJSCC 1999
	SELENIUM		MG/KG	NS	NA	63	3100	SW6010B	NJSCC 1999
	SILVER		MG/KG	NS	NA	110	4100	SW6010B	NJSCC 1999
	THALLIUM		MG/KG	NS	NA	2	2	SW6010B	NJSCC 1999
	ZINC		MG/KG	NS	NA	1500	1500	SW6010B	NJSCC 1999
	1,3-DINITROBENZENE		UG/KG	20*	Site Specific Screening Level, Provided by NJDEP June 2003	7800*	100000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
	2,4,6-TRINITROTOLUENE		UG/KG	40*	Site Specific Screening Level, Provided by NJDEP June 2003	21000*	95000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
	2-AMINO-4,6-DINITROTOLUENE		UG/KG	40*	Site Specific Screening Level, Provided by NJDEP June 2003	4700*	61000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
	4-AMINO-2,6-DINITROTOLUENE		UG/KG	NS	NA	4700*	61000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		UG/KG	NS	NA	5800*	26000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
	NITROCELLULOSE		UG/KG	NS	NA	10000000	10000000	IAAP83	NJSCC 1999
	NITROGLYCERIN		UG/KG	NS	NA	46000*	200000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003

Table B1-2

Soil - RI Analytical Methods and Criteria Summary
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Analytical Group	Constituent	Units	IGWSCC	Source of IGWSCC	RDCSCC	NRDCSCC	Analytical Method	Source of RDCSCC/NRDCSCC
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	NA	3900000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NA	NS	NS	SW8082	NA
PCBS	TOTAL PCBS	UG/KG	50000	NJSCC 1999	490	2000	SW8082	NJSCC 1999

Notes:
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not applicable
NS = No standard
* Site Specific Screening Level = Criteria were provided to Hercules by NJDEP in the June 19, 2003 Correspondence
NJSCC 1999 = NJDEP Soil Cleanup Criteria last revised on May 12, 1999

Table B1-3

Soil - RI Analytical Methods and Criteria Summary for DDNP Pond Samples
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Analytical Group	Constituent	Units	IGWSCC	Source of IGWSCC	RDCSCC	NRDCSCC	Analytical Method	Source of RDCSCC/NRDCSCC
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	NJSCC 1999	68000	1200000	SW8270C	NJSCC 1999
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	NJSCC 1999	5100000	10000000	SW8270C	NJSCC 1999
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8*	Site Specific Screening Level, Proposed NJ SRS	600*	2000*	SW8270C	Site Specific Screening Level, Proposed NJ SRS
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	NJSCC 1999	5100000	10000000	SW8270C	NJSCC 1999
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	NJSCC 1999	570000	10000000	SW8270C	NJSCC 1999
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	NJSCC 1999	62000	270000	SW8270C	NJSCC 1999
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	NJSCC 1999	170000	3100000	SW8270C	NJSCC 1999
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	NJSCC 1999	110000	2100000	SW8270C	NJSCC 1999
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3*	Site Specific Screening Level, Provided by NJDEP June 2003	940*	4200*	SW8270C	Site Specific Screening Level, Provided by NJDEP June 2003
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	2-CHLOROPHENOL	UG/KG	10000	NJSCC 1999	280000	5200000	SW8270C	NJSCC 1999
SVOCS	2-NITROPHENOL	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	NJSCC 1999	2000	6000	SW8270C	NJSCC 1999
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	4-NITROPHENOL	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	ACENAPHTHENE	UG/KG	100000	NJSCC 1999	3400000	10000000	SW8270C	NJSCC 1999
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	ANTHRACENE	UG/KG	100000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS	BENZIDINE	UG/KG	0.0006*	Site Specific Screening Level, Proposed NJ SRS	2*	8*	SW8270C	Site Specific Screening Level, Proposed NJ SRS
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
SVOCS	BENZO(A)PYRENE	UG/KG	100000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	NJSCC 1999	660	3000	SW8270C	NJSCC 1999
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	NJSCC 1999	2300000	10000000	SW8270C	NJSCC 1999
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	NJSCC 1999	49000	210000	SW8270C	NJSCC 1999
SVOCS	CHRYSENE	UG/KG	500000	NJSCC 1999	9000	40000	SW8270C	NJSCC 1999
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	NJSCC 1999	5700000	10000000	SW8270C	NJSCC 1999
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS	FLUORANTHENE	UG/KG	100000	NJSCC 1999	2300000	10000000	SW8270C	NJSCC 1999
SVOCS	FLUORENE	UG/KG	100000	NJSCC 1999	2300000	10000000	SW8270C	NJSCC 1999
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	NJSCC 1999	660	2000	SW8270C	NJSCC 1999
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	NJSCC 1999	1000	21000	SW8270C	NJSCC 1999
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	NJSCC 1999	400000	7300000	SW8270C	NJSCC 1999
SVOCS	HEXACHLOROETHANE	UG/KG	100000	NJSCC 1999	6000	100000	SW8270C	NJSCC 1999

Table B1-3

Soil - RI Analytical Methods and Criteria Summary for DDNP Pond Samples
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Analytical Group		Constituent	Units	IGWSCC	Source of IGWSCC	RDCSCC	NRDCSCC	Analytical Method	Source of RDCSCC/NRDCSCC
SVOCS		INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	NJSCC 1999	900	4000	SW8270C	NJSCC 1999
SVOCS		ISOPHORONE	UG/KG	50000	NJSCC 1999	1100000	10000000	SW8270C	NJSCC 1999
SVOCS		N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	NJSCC 1999	660	660	SW8270C	NJSCC 1999
SVOCS		N-NITROSODIMETHYLAMINE	UG/KG	0.001*	Site Specific Screening Level, Proposed NJ SRS	10*	60*	SW8270C	Site Specific Screening Level, Proposed NJ SRS
SVOCS		N-NITROSODIPHENYLAMINE	UG/KG	100000	NJSCC 1999	140000	600000	SW8270C	NJSCC 1999
SVOCS		NAPHTHALENE	UG/KG	100000	NJSCC 1999	230000	4200000	SW8270C	NJSCC 1999
SVOCS		PENTACHLOROPHENOL	UG/KG	100000	NJSCC 1999	6000	24000	SW8270C	NJSCC 1999
SVOCS		PHENANTHRENE	UG/KG	NS	NA	NS	NS	SW8270C	NA
SVOCS		PHENOL	UG/KG	50000	NJSCC 1999	10000000	10000000	SW8270C	NJSCC 1999
SVOCS		PYRENE	UG/KG	100000	NJSCC 1999	1700000	10000000	SW8270C	NJSCC 1999
E&E	1,3,5-TRINITROBENZENE		UG/KG	NS	NA	2300000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	1,3-DINITROBENZENE		UG/KG	20*	Site Specific Screening Level, Provided by NJDEP June 2003	7800*	100000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	2,4,6-TRINITROTOLUENE		UG/KG	40*	Site Specific Screening Level, Provided by NJDEP June 2003	21000*	95000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	2-AMINO-4,6-DINITROTOLUENE		UG/KG	40*	Site Specific Screening Level, Provided by NJDEP June 2003	4700*	61000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	2-NITROTOLUENE		UG/KG	NS	NA	780000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	3-NITROTOLUENE		UG/KG	NS	NA	1600000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	4-AMINO-2,6-DINITROTOLUENE		UG/KG	NS	NA	4700*	61000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	4-NITROTOLUENE		UG/KG	NS	NA	780000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	DIAZODINITROPHENOL		UG/KG	NS	NA	10000000	10000000	SW8330	NJSCC 1999
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		UG/KG	NS	NA	5800*	26000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	NITROBENZENE		UG/KG	10000	NJSCC 1999	39000*	510000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	NITROCELLULOSE		UG/KG	NS	NA	10000000	10000000	IAAP83	NJSCC 1999
E&E	NITROGLYCERIN		UG/KG	NS	NA	46000*	200000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)		UG/KG	NS	NA	3900000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003
E&E	PENTAERYTHRITOL TETRANITRATE		UG/KG	NS	NA	NS	NS	SW8330	NA
E&E	TETRYL		UG/KG	NS	NA	780000*	10000000*	SW8330	Site Specific Screening Level, Provided by NJDEP June 2003

Notes:

SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not applicable
NS = No standard

* Site Specific Screening Level = Criteria were provided to Hercules by NJDEP in the June 19, 2003 Correspondence
Proposed NJ SRS = Criteria were obtained from the NJDEP Soil Remediation Standards proposed July 2004
NJSCC 1999 = NJDEP Soil Cleanup Criteria last revised on May 12, 1999

Table B1-4

Soil - RI Analytical Methods and Criteria Summary for Trench Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Analytical Method	Source of IGWSCC/RDCSCC/NRDCSCC
VOCS		BENZENE	UG/KG	1000	3000	13000	SW8260B	NJSCC 1999
VOCS		ETHYLBENZENE	UG/KG	100000	1000000	1000000	SW8260B	NJSCC 1999
VOCS		TERT-BUTYL METHYL ETHER	UG/KG	NS	NS	NS	SW8260B	NA
VOCS		TOLUENE	UG/KG	500000	1000000	1000000	SW8260B	NJSCC 1999
VOCS		XYLENES, TOTAL	UG/KG	67000	410000	1000000	SW8260B	NJSCC 1999
SVOCS		1-METHYLNAPHTHALENE	UG/KG	NS	NS	NS	SW8270C	NA
SVOCS		2-METHYLNAPHTHALENE	UG/KG	NS	NS	NS	SW8270C	NA
SVOCS		ACENAPHTHENE	UG/KG	100000	3400000	10000000	SW8270C	NJSCC 1999
SVOCS		ACENAPHTHYLENE	UG/KG	NS	NS	NS	SW8270C	NA
SVOCS		ANTHRACENE	UG/KG	100000	10000000	10000000	SW8270C	NJSCC 1999
SVOCS		BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	SW8270C	NJSCC 1999
SVOCS		BENZO(A)PYRENE	UG/KG	100000	660	660	SW8270C	NJSCC 1999
SVOCS		BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	SW8270C	NJSCC 1999
SVOCS		BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	SW8270C	NA
SVOCS		BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	SW8270C	NJSCC 1999
SVOCS		CHRYSENE	UG/KG	500000	9000	40000	SW8270C	NJSCC 1999
SVOCS		DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	SW8270C	NJSCC 1999
SVOCS		FLUORANTHENE	UG/KG	100000	2300000	10000000	SW8270C	NJSCC 1999
SVOCS		FLUORENE	UG/KG	100000	2300000	10000000	SW8270C	NJSCC 1999
SVOCS		INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	SW8270C	NJSCC 1999
SVOCS		NAPHTHALENE	UG/KG	100000	230000	4200000	SW8270C	NJSCC 1999
SVOCS		PHENANTHRENE	UG/KG	NS	NS	NS	SW8270C	NA
SVOCS		PYRENE	UG/KG	100000	1700000	10000000	SW8270C	NJSCC 1999
PHC		PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL OIL	MG/KG	NS	NS	NS	SW8015B	NA
PHC		#6 FUEL OIL	MG/KG	NS	NS	NS	SW8015B	NA
PHC		COAL TAR OIL	MG/KG	NS	NS	NS	SW8015B	NA
PHC		GASOLINE	MG/KG	NS	NS	NS	SW8015B	NA
PHC		KEROSENE	MG/KG	NS	NS	NS	SW8015B	NA
PHC		MINERAL SPIRITS	MG/KG	NS	NS	NS	SW8015B	NA
PHC		MOTOR OILS	MG/KG	NS	NS	NS	SW8015B	NA

Notes:
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
PHC = Petroleum hydrocarbon
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not applicable
NS = No standard
NJSCC 1999 = NJDEP Soil Cleanup Criteria last revised on May 12, 1999

Table B1-5

Soil - Summary Of Updated Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Analytical Group		Constituent	Units	SI IGWSCC	SI RDCSCC	SI NRDCSCC	SI Source	RI IGWSCC	RI RDCSCC	RI NRDCSCC	RI Source
SVOCS	BENZIDINE		UG/KG	NS	NS	NS	NA	0.0006*	2*	8*	Site Specific Screening Level, Proposed NJ SRS
											Site Specific Screening Level, Proposed NJ SRS
SVOCS	1,2-DIPHENYLHYDRAZINE		UG/KG	NS	NS	NS	NA	8*	600*	2000*	Site Specific Screening Level, Proposed NJ SRS
											Site Specific Screening Level, Proposed NJ SRS
SVOCS	N-NITROSODIMETHYLAMINE		UG/KG	NS	NS	NS	NA	0.001*	10*	60*	Site Specific Screening Level, Proposed NJ SRS
											NJSCC 1999
E&E	DIAZODINITROPHENOL		UG/KG	NS	NS	NS	NA	NS	10000000	10000000	NJSCC 1999
											NJSCC 1999

Notes:
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
RI = Remedial investigation
SI = Site investigation
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not applicable
NS = No standard

Sources:
* Site Specific Screening Level = Proposed NJ SRS = Criteria were obtained from the NJDEP Soil Remediation Standards proposed July 2004
NJSCC 1999 = NJDEP Soil Cleanup Criteria last revised on May 12, 1999

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE J11-2188-10 TP-R-J11-2188-10(8.0-8.5) 08/10/06	AREA I B-LINE L11-2089-06 TP-R-L11-2089-06(13.0-13.5) 08/10/06	AREA I B-LINE SB-R-I11-01 SB-R-I11-01(1.5-2.0) 03/22/06	AREA I B-LINE SB-R-I11-01 SB-R-I11-01(4.5-5.0) 03/22/06	AREA I B-LINE SB-R-J11-01 SB-R-J11-01(0.5-1.0) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	4300 U	3700 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	1100 U	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	1100 U	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	1100 U	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	1100 U	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	180 U	200 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.34 UJ	2.17 UJ	2.34 UJ
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	NA	350 U	340 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	NA	350 U	340 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	NA	350 U	340 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J11-01 SB-R-J11-01(5.5-6.0) 03/22/06		AREA I B-LINE SB-R-J11-02 SB-R-J11-02(0.5-1.0) 03/22/06		AREA I B-LINE SB-R-J11-02 SB-R-J11-02(5.0-5.5) 03/22/06		AREA I B-LINE SB-R-J11-03 SB-R-J11-03(0.5-1.0) 03/22/06		AREA I B-LINE SB-R-J11-03 SB-R-J11-03(2.0-2.5) 03/22/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U		2700 U		2900 U		3000 U		2700 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		180 U		190 U		-		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.18 UJ		2.14 UJ		2.29 UJ		2.42 UJ		2.39 UJ	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		330 U		350 U		370 U		360 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		330 U		350 U		370 U		360 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		330 U		350 U		370 U		360 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J12-01 SB-R-J12-01(1.0-1.5) 03/22/06		AREA I B-LINE SB-R-J12-01 SB-R-J12-01(4.5-5.0) 03/22/06		AREA I B-LINE SB-R-J12-02 SB-R-J12-02(1.0-1.5) 03/22/06		AREA I B-LINE SB-R-J12-02 SB-R-J12-02(6.5-7.0) 03/22/06		AREA I B-LINE SB-R-K10-01 SB-R-K10-01(0.5-1.0) 03/23/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U		2900 U		2700 U		2500 U		3300 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		180 U		180 U		210 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.30 UJ		2.20 UJ		2.17 UJ		2.13 UJ		2.51 UJ	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		340 U		330 U		320 U		380 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		340 U		330 U		320 U		380 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		340 U		330 U		320 U		380 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K10-01 SB-R-K10-01(5.5-6.0) 03/23/06	AREA I B-LINE SB-R-K10-02 SB-R-K10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-K10-02 SB-R-K10-02(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(0.5-1.0) 04/13/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(4.0-4.5) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3200 U	3000 U	3100 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.08 UJ	-	10.8 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	370 UJ	330 UJ	360 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	370 UJ	330 UJ	360 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	370 UJ	330 UJ	360 U	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K11-01 SB-R-K11-01(0.8-1.4) 03/22/06	AREA I B-LINE SB-R-K11-01 SB-R-K11-01(5.0-5.5) 03/22/06	AREA I B-LINE SB-R-K11-02 SB-R-K11-02(1.5-2.0) 03/22/06	AREA I B-LINE SB-R-K11-02 SB-R-K11-02(4.0-4.5) 03/22/06	AREA I B-LINE SB-R-K11-03 SB-R-K11-03(0.5-1.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	2800 U	2900 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	190 U	190 U	390 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.23 UJ	2.21 UJ	2.26 UJ	2.21 UJ	2.34 UJ
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	340 U	340 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	340 U	340 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	340 U	340 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K11-03 SB-R-K11-03(4.0-4.5) 03/23/06	AREA I B-LINE SB-R-K11-04 SB-R-K11-04(0.75-1.25) 03/23/06	AREA I B-LINE SB-R-K11-04 SB-R-K11-04(2.0-2.5) 03/23/06	AREA I B-LINE SB-R-L10-01 SB-R-L10-01(0.25-0.75) 03/23/06	AREA I B-LINE SB-R-L10-01 SB-R-L10-01(1.5-2.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3200 U	3000 U	2900 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	210 U	200 U	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.29 UJ	2.55 UJ	2.42 UJ	2.39 UJ	2.40 UJ
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	390 U	360 U	370 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	390 U	360 U	370 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	390 U	360 U	370 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L10-02 SB-R-L10-02(0.5-1.0) 03/23/06		AREA I B-LINE SB-R-L10-02 SB-R-L10-02(5.0-5.5) 03/23/06		AREA I B-LINE SB-R-L10-03 SB-R-L10-03(0.5-1.0) 04/12/06		AREA I B-LINE SB-R-L10-03 TP-R-L10-03(5.5-6.0) 07/27/06		AREA I B-LINE SB-R-L10-04 SB-R-L10-04(0.5-1.0) 04/12/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		2900 U		2900 U		2800 U		3200 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		170 U		190 U		180 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.27 UJ		2.05 UJ		-		2.05 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		310 U		340 U		320 U		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		310 U		340 U		320 U		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		310 U		340 U		320 U		330 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L10-04 SB-R-L10-04(4.0-4.5) 04/12/06	AREA I B-LINE SB-R-L11-01 SB-R-L11-01(1.0-1.5) 03/23/06	AREA I B-LINE SB-R-L11-01 SB-R-L11-01(4.0-4.5) 03/23/06	AREA I B-LINE SB-R-L11-02 SB-R-L11-02(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-L11-02 SB-R-L11-02(6.5-7.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	2900 U	2500 U	2600 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	180 U	180 U	-	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.03 U	2.11 UJ	2.08 UJ	2.14 UJ	2.21 UJ
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	330 U	320 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	330 U	320 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	330 U	320 U	330 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L11-03 SB-R-L11-03(0.5-1.0) 03/29/06		AREA I B-LINE SB-R-L11-03 TP-R-L11-03(7.0-7.5) 07/27/06		AREA I B-LINE SB-R-L9-01 SB-R-L9-01(0.5-1.0) 03/30/06		AREA I B-LINE SB-R-L9-01 SB-R-L9-01(1.0-1.5) 03/30/06		AREA I B-LINE SB-R-L9-03 SB-R-L9-03(0.5-1.0) 04/12/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		2700 U		3600 U		3400 U		3200 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		180 U		220 U		200 U		210 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U		2.04 U		-		-		2.47 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		320 U		390 UJ		360 UJ		370 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		320 U		390 UJ		360 UJ		370 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		320 U		390 UJ		360 UJ		370 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L9-03 TP-R-L9-03(6.5-7.0) 07/28/06	AREA I B-LINE SB-R-L9-04 SB-R-L9-04(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-L9-04 SB-R-L9-04(2.5-3.0) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3100 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	380 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	380 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	380 U	310 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M10-01 SB-R-M10-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M10-01 TP-R-M10-01(7.0-7.5) 07/27/06	AREA I B-LINE SB-R-M10-02 SB-R-M10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M10-02 SB-R-M10-02(4.0-4.5) 03/30/06	AREA I B-LINE SB-R-M10-03 SB-R-M10-03(1.0-1.5) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2700 U	3100 U	2600 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	210 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.06 U	2.42 U	2.11 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	320 U	380 UJ	320 UJ	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	320 U	380 UJ	320 UJ	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	320 U	380 UJ	320 UJ	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M10-03 TP-R-M10-03(6.0-6.5) 07/27/06	AREA I B-LINE SB-R-M9-01 SB-R-M9-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M9-01 SB-R-M9-01(2.0-2.5) 03/29/06	AREA I B-LINE SB-R-M9-02 SB-R-M9-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M9-02 TP-R-M9-02(4.5-5.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2600 U	3200 U	3000 U	16000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	4100 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	4100 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	4100 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	4100 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	13000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	170 U	210 U	-	1100 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	1100 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	1100 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	1100 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	1100 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	1100 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	1100 U
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	3.13 U
METALS	THALLIUM	MG/KG	NS	2	2	2.14 U	2.01 U	2.45 U	2.37 U	12.5 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	310 U	370 U	360 UJ	1900 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	310 U	370 U	360 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	310 U	370 U	360 UJ	1900 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-03 SB-R-M9-03(0.5-1.0) 03/30/06		AREA I B-LINE SB-R-M9-03 SB-R-M9-03(1.5-2.0) 03/30/06		AREA I B-LINE SB-R-M9-03 TP-R-M9-03(7.5-8.0) 07/27/06		AREA I B-LINE SB-R-M9-04 SB-R-M9-04(1.0-1.5) 04/13/06		AREA I B-LINE SB-R-M9-04 SB-R-M9-04(2.5-3.0) 04/13/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		3100 U		NA		3000 U		2600 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		NA		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		NA		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		NA		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		NA		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		NA		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		210 U		NA		210 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		NA		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		2.08 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ		370 UJ		NA		370 U		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ		370 UJ		NA		370 U		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ		370 UJ		NA		370 U		330 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-05 SB-R-M9-05(0.5-1.0) 04/28/06		AREA I B-LINE SB-R-M9-05 TP-R-M9-05(4.5-5.0) 07/26/06		AREA I B-LINE SB-R-N8-01 SB-R-N8-01(1.0-1.5) 04/17/06		AREA I B-LINE SB-R-N8-01 SB-R-N8-01(4.5-5.0) 04/17/06		AREA I B-LINE SB-R-N9-01 SB-R-N9-01(0.5-1.0) 03/29/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U		2700 U		3500 U		3300 U		3400 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U		180 U		240 U		200 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.17 U		-		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U		330 U		430 U		360 U		360 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U		330 U		430 U		360 U		360 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U		330 U		430 U		360 U		360 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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SB = Soil boring
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-N9-01 SB-R-N9-01(5.08-5.58) 03/29/06	AREA I B-LINE SB-R-N9-02 SB-R-N9-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-N9-02 SB-R-N9-02(1.5-2.0) 03/30/06	AREA I B-LINE SB-R-N9-03 SB-R-N9-03(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-N9-03 SB-R-N9-03(2.0-2.5) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2900 U	3000 U	3000 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.50 U	2.26 U	-	-	2.12 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	350 UJ	350 UJ	350 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	350 UJ	350 UJ	350 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	350 UJ	350 UJ	350 UJ	320 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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SB = Soil boring
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-08-02 SB-R-08-02(0.5-1.0) 04/18/06		AREA I B-LINE SB-R-08-02 SB-R-08-02(4.0-4.5) 04/18/06		AREA I B-LINE SB-R-08-02 TP-R-08-02(8.0-8.5) 08/07/06		AREA I B-LINE SB-R-08-03 SB-R-08-03(0.5-1.0) 04/28/06		AREA I B-LINE SB-R-08-03 SB-R-08-03(5.5-6.0) 04/28/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U		2800 UJ		NA		2800 U		2700 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		NA		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		NA		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		NA		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		NA		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		NA		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		190 U		NA		180 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		NA		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		2.11 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U		350 U		NA		330 U		350 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U		350 U		NA		330 U		350 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U		350 U		NA		330 U		350 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-08-04 SB-R-08-04(0.5-1.0) 06/29/06		AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06		AREA I B-LINE SB-R-09-01 SB-R-09-01(4.0-4.5) 04/28/06		AREA I B-LINE SB-R0-M8-01 SB-R0-M8-01(4.5-5.0) 12/21/05		AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(0.5-1.0) 12/21/05	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		2900 U		2700 U		NA		NA	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		NA		NA	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		NA		NA	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		NA		NA	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		NA		NA	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		NA		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		200 U		180 U		NA		NA	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		NA		NA	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		NA		NA	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		NA		NA	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		NA		NA	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		NA		NA	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		NA		NA	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		NA		NA	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U		-		2.10 U		2.05 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		360 U		320 U		NA		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		360 U		320 U		NA		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		360 U		320 U		NA		330 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(1.5-2.0) 12/21/05	AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(4.5-5.0) 12/21/05	AREA I B-LINE SB-R0-M8-04 SB-R0-M8-04(2.0-2.5) 12/21/05	AREA I B-LINE SB-R0-M8-04 SB-R0-M8-04(5.0-5.5) 12/21/05	AREA I B-LINE SB-R0-M8-05 SB-R0-M8-05(0.5-1.0) 12/21/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.11 U	2.98 U	2.22 U	2.39 U	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	370 U	NA	NA	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	370 U	NA	NA	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	370 U	NA	NA	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M8-05 SB-R0-M8-05(4.0-4.5) 12/21/05	AREA I B-LINE SB-R0-M9-01 SB-R0-M9-01(4.5-5.0) 12/21/05	AREA I B-LINE SB-R0-M9-03 SB-R0-M9-03(0.5-1.0) 12/22/05	AREA I B-LINE SB-R0-M9-04 SB-R0-M9-04(1.5-2.0) 12/22/05	AREA I B-LINE SB-R0-M9-09 SB-R0-M9-09(0.5-1.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	590 UJ	190 U	170 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	NA	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-09 SB-R0-M9-09(4.0-4.5) 12/22/05	AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(2.5-3.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(2.0-2.5) 07/19/06	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(4.5-5.0) 07/19/06	AREA I B-LINE TP-R-M8-1-10 TP-R-M8-1-10(0.5-1.0) 07/20/06	AREA I B-LINE TP-R-M8-1-10 TP-R-M8-1-10(3.5-4.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 UJ	3400 U	3000 U	2700 UJ	3300 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	220 U	200 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.34 U	2.21 U	2.51 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ	390 UJ	360 UJ	330 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 UJ	390 UJ	360 UJ	330 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 UJ	390 UJ	360 UJ	330 UJ	380 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(1.0-1.5) 07/20/06	AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(6.0-6.5) 07/20/06	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(4.0-4.5) 07/20/06	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(7.5-8.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	3100 UJ	3100 UJ	4700 UJ	4500 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	1200 UJ	1100 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	1200 UJ	1100 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	1200 UJ	1100 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	1200 UJ	1100 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	200 U	290 U	280 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.14 U	2.41 U	2.44 U	3.47 U	3.23 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	380 UJ	370 UJ	530 UJ	500 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	380 UJ	370 UJ	530 UJ	500 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	380 UJ	370 UJ	530 UJ	500 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(0.5-1.0) 07/20/06	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(6.0-6.5) 07/20/06	AREA I B-LINE TP-R-M8-1-14 TP-R-M8-1-14(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-14 TP-R-M8-1-14(5.0-5.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 UJ	3100 UJ	5800 UJ	2800 UJ	3400 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	1500 U	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	1500 U	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	1500 U	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	1500 U	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	200 U	360 U	180 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	2.37 U	4.32 U	2.11 U	2.46 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	360 UJ	650 UJ	330 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	360 UJ	650 UJ	330 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	360 UJ	650 UJ	330 UJ	380 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-15 TP-R-M8-1-15(1.0-1.5) 07/20/06	AREA I B-LINE TP-R-M8-1-15 TP-R-M8-1-15(5.0-5.5) 07/20/06	AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(6.0-6.5) 07/25/06	AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	2800 UJ	3300 UJ	3100 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	24000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	-	210 U	2000 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	2000 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	2000 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	2000 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	2000 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	2000 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	2000 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	2000 U
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.07 U	2.03 U	-	2.55 U	2.37 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ	320 UJ	410 UJ	390 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ	320 UJ	-	-	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ	320 UJ	410 UJ	390 UJ	360 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(4.5-5.0) 07/25/06	AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(3.5-4.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	14000 UJ	2900 UJ	15000 UJ	3300 UJ	13000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	3400 UJ	-	3800 UJ	-	3400 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	3400 UJ	-	3800 UJ	-	3400 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	3400 UJ	-	3800 UJ	-	3400 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	3400 UJ	-	3800 UJ	-	3400 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	11000 U	-	12000 UJ	-	11000 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	880 U	210 U	1000 UJ	220 U	910 UJ
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	1000 UJ	-	910 UJ
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	880 U	-	1000 UJ	-	910 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	1000 UJ	-	910 UJ
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	1000 UJ	-	910 UJ
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	880 U	-	1000 UJ	-	910 UJ
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	1000 UJ	-	910 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	880 U	-	1000 UJ	-	910 UJ
METALS	BERYLLIUM	MG/KG	NS	2	2	2.57 U	-	3.07 U	-	2.63 U
METALS	THALLIUM	MG/KG	NS	2	2	10.3 U	-	12.3 U	2.57 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	1600 UJ	-	1900 UJ	400 UJ	1600 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	1600 UJ	370 UJ	1900 UJ	400 UJ	1600 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(2.0-2.5) 07/19/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(3.5-4.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2900 U	3100 U	2900 UJ	18000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	4500 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	4500 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	4500 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	4500 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	13000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	200 U	200 U	200 U	1100 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	1100 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	1100 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	1100 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	1100 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	1100 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	1100 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	1100 U
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	3.14 U
METALS	THALLIUM	MG/KG	NS	2	2	2.19 U	2.35 U	-	2.32 U	12.6 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	360 UJ	350 UJ	350 UJ	2000 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	360 UJ	350 UJ	-	2000 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	360 UJ	350 UJ	350 UJ	2000 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 UJ	16000 UJ	2500 U	14000 UJ	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	4000 UJ	-	3600 UJ	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	4000 UJ	-	3600 UJ	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	4000 UJ	-	3600 UJ	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	4000 UJ	-	3600 UJ	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	12000 U	-	64000 U	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	230 U	970 U	-	5300 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	970 U	-	5300 U	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	970 U	-	5300 U	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	970 U	-	5300 U	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	970 U	-	5300 U	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	970 U	-	5300 U	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	970 U	-	5300 U	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	970 U	-	5300 U	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	2.84 U	-	3.18 U	-
METALS	THALLIUM	MG/KG	NS	2	2	2.69 U	11.4 U	2.30 U	12.7 U	2.34 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	410 UJ	1800 UJ	-	1900 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	410 UJ	1800 UJ	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	410 UJ	1800 UJ	360 UJ	1900 UJ	360 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(4.5-5.0) 07/25/06	AREA I B-LINE TP-R-M8-1-4 TP-R-M8-1-4(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-4 TP-R-M8-1-4(3.5-4.0) 07/19/06	AREA I B-LINE TP-R-M8-1-5 TP-R-M8-1-5(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-5 TP-R-M8-1-5(2.5-3.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	17000 UJ	2700 U	2900 U	3300 U	6000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	4100 UJ	-	-	-	1500 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	4100 UJ	-	-	-	1500 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	4100 UJ	-	-	-	1500 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	4100 UJ	-	-	-	1500 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	13000 U	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1100 U	180 U	200 U	180 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1100 U	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1100 U	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1100 U	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1100 U	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1100 U	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1100 U	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1100 U	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	3.16 U	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	12.7 U	2.15 U	2.35 U	2.18 U	2.47 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	2000 UJ	330 UJ	370 UJ	330 UJ	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2000 UJ	330 UJ	370 UJ	330 UJ	370 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2000 UJ	330 UJ	370 UJ	330 UJ	370 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-7 TP-R-M8-1-7(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-7 TP-R-M8-1-7(4.5-5.0) 07/19/06	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(1.0-1.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	4100 U	3200 U	2900 U	3300 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	1000 U	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	1000 U	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1000 U	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	1000 U	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	11000 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	290 U	220 U	180 U	210 U	890 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	890 U
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	3.34 U	2.61 U	2.11 U	2.42 U	2.02 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	520 UJ	400 UJ	330 UJ	370 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	520 UJ	400 UJ	330 UJ	370 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	520 UJ	400 UJ	330 UJ	370 UJ	320 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-9 TP-R-M8-1-9(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-9 TP-R-M8-1-9(5.0-5.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	12000 U	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	970 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	970 U	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	970 UJ	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	970 UJ	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	970 UJ	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	970 U	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U	2.07 U	2.19 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	320 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	320 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	320 UJ	340 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H5-01 SB-R-H5-01(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-H5-01 SB-R-H5-01(4.0-4.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(1.0-1.5) 04/07/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(5.0-5.5) 04/07/06	AREA I DEVELOPMENT SB-R-H6-01 TP-R-H6-01(9.0-9.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3000 U	3500 U	3200 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	23000 U	-	-	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1900 U	190 U	-	190 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1900 U	-	-	-	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1900 U	-	-	-	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1900 U	-	-	-	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1900 U	-	-	-	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1900 U	-	-	-	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1900 U	-	-	-	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1900 U	-	-	-	NA
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.53 U	-	2.15 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	380 U	340 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	350 UJ	380 U	340 U	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	380 U	340 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(1.0-1.5) 04/19/06		AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(2.0-2.5) 04/19/06		AREA I DEVELOPMENT SB-R-H6-02 TP-R-H6-02(6.0-6.5) 08/02/06		AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(0.5-1.0) 04/07/06		AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(4.5-5.0) 04/07/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		3200 U		NA		3000 U		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		NA		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		NA		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		NA		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		NA		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		NA		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U		200 U		NA		210 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		NA		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		2.06 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		360 U		NA		370 U		320 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ		360 UJ		NA		370 U		320 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		360 U		NA		370 U		320 U	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-		-		NA		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H7-01 TP-R-H7-01(8.5-9.0) 08/02/06	AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(4.5-5.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-02 TP-R-H7-02(8.5-9.0) 08/02/06	AREA I DEVELOPMENT SB-R-I5-01 SB-R-I5-01(0.5-1.0) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3500 U	2800 U	NA	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	-	-	NA	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	-	-	NA	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	-	-	NA	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	-	-	NA	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	-	-	NA	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	210 U	190 U	NA	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	NA	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	NA	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	NA	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	NA	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-	NA	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	NA	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	-	-	NA	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.43 U	-	2.15 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	380 U	340 U	NA	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	380 U	340 U	NA	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	380 U	340 U	NA	380 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	-	-	NA	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I5-01 SB-R-I5-01(2.0-2.5) 04/19/06		AREA I DEVELOPMENT SB-R-I5-02 SB-R-I5-02(0.5-1.0) 04/19/06		AREA I DEVELOPMENT SB-R-I5-02 TP-R-I5-02(4.5-5.0) 08/03/06		AREA I DEVELOPMENT SB-R-I6-01 SB-R-I6-01(0.5-1.0) 04/07/06		AREA I DEVELOPMENT SB-R-I6-01 SB-R-I6-01(4.0-4.5) 04/07/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		2700 U		2700 U		3200 U		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		180 U		180 U		7 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		2.04 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		330 U		320 U		390 U		320 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		330 UJ		320 U		390 U		320 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		330 U		320 U		390 U		320 U	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-		-		-		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(4.5-5.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-03 SB-R-I6-03(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-03 SB-R-I6-03(2.5-3.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(1.0-1.5) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	2900 U	2900 U	2700 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	200 U	190 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.07 U	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	350 U	350 U	330 U	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 UJ	350 UJ	350 UJ	330 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	350 U	350 U	330 U	380 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(4.0-4.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 TP-R-I6-04(8.0-8.5) 08/03/06	AREA I DEVELOPMENT SB-R-I7-02 SB-R-I7-02(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-I7-02 SB-R-I7-02(4.0-4.5) 04/07/06	AREA I DEVELOPMENT SB-R-I7-02 TP-R-I7-02(8.0-8.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	NA	3000 U	2600 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-	-	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-	-	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-	-	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-	-	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	NA	-	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	NA	200 U	180 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	NA	-	-	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	NA	-	-	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	NA	-	-	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA	-	-	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	NA	-	-	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA	-	-	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	NA	-	-	NA
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.23 U	-	-	2.15 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	NA	360 U	330 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	NA	360 U	330 U	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	NA	360 U	330 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	NA	-	-	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-J5-01 SB-R-J5-01(0.5-1.0) 04/24/06	AREA I DEVELOPMENT SB-R-J5-01 SB-R-J5-01(2.5-3.0) 04/24/06	AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(0.5-1.0) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	3200 U	2900 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	-	190 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.38 U	-	2.57 U	2.19 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ	350 UJ	390 U	340 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 UJ	350 UJ	390 UJ	340 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 UJ	350 UJ	390 U	340 U	7500 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 TP-R-J6-02(8.0-8.5) 08/03/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(1.0-1.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(4.5-5.0) 04/20/06	AREA I DEVELOPMENT SB-R-K5-01 SB-R-K5-01(0.5-1.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	NA	2900 U	3200 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	180 U	-	200 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.13 U	-	2.38 U	2.69 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	NA	330 U	360 U	410 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	NA	-	360 U	410 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2000 U	NA	330 U	360 U	410 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	NA	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K5-01 SB-R-K5-01(2.5-3.0) 04/24/06	AREA I DEVELOPMENT SB-R-K5-02 SB-R-K5-02(0.5-1.0) 05/02/06	AREA I DEVELOPMENT SB-R-K5-02 SB-R-K5-02(4.5-5.0) 05/02/06	AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(4.0-4.5) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	2600 U	2700 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	210 U	190 U	190 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.34 U	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	370 U	340 U	340 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	370 U	340 U	340 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	370 U	340 U	340 U	310 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K6-02 SB-R-K6-02(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-K6-02 SB-R-K6-02(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K6-03 TP-R-K6-03(1.5-2.0) 08/03/06	AREA I DEVELOPMENT SB-R-K6-03 TP-R-K6-03(6.5-7.0) 08/03/06	AREA I DEVELOPMENT SB-R-K6-04 SB-R-K6-04(0.5-1.0) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2700 U	2900 U	2700 UJ	2800 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	190 U	170 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	-	2.22 U	2.08 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	340 U	310 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	340 U	310 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	420 U	330 U	340 U	310 U	340 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K6-04 SB-R-K6-04(4.0-4.5) 04/20/06		AREA I DEVELOPMENT SB-R-K7-01 SB-R-K7-01(0.5-1.0) 04/11/06		AREA I DEVELOPMENT SB-R-K7-01 SB-R-K7-01(4.5-5.0) 04/11/06		AREA I DEVELOPMENT SB-R-K7-03 SB-R-K7-03(1.0-1.5) 04/11/06		AREA I DEVELOPMENT SB-R-K7-03 SB-R-K7-03(4.0-4.5) 04/11/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		2700 U		3000 U		2900 U		2700 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		190 U		190 U		190 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.22 U		2.24 U		-		2.11 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U		340 U		340 U		340 U		320 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U		340 U		340 U		340 U		320 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U		340 U		340 U		340 U		320 U	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-		-		-		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K8-02 SB-R-K8-02(0.5-1.0) 04/06/06	AREA I DEVELOPMENT SB-R-K8-02 SB-R-K8-02(5.5-6.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.27 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(4.0-4.5) 04/21/06	AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(1.5-2.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(4.0-4.5) 04/21/06	AREA I DEVELOPMENT SB-R-L5-03 SB-R-L5-03(1.0-1.5) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	3000 U	3000 U	4300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	1100 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	1100 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	1100 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	1100 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	190 U	270 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	3.19 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	360 U	350 U	480 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	360 U	350 U	480 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	360 U	350 U	480 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L5-03 SB-R-L5-03(4.17-4.67) 04/21/06	AREA I DEVELOPMENT SB-R-L6-01 SB-R-L6-01(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L6-01 SB-R-L6-01(2.0-2.5) 04/13/06	AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(4.5-5.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	2800 U	2600 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	190 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.36 U	-	2.25 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	330 U	340 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	350 U	330 U	340 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	330 U	340 U	320 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(0.5-1.0) 04/21/06		AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(4.0-4.5) 04/21/06		AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(1.0-1.5) 04/21/06		AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(5.0-5.5) 04/21/06		AREA I DEVELOPMENT SB-R-L6-04 TP-R-L6-04(9.0-9.5) 07/25/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U		2800 U		2900 U		2800 U		NA	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		NA	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		NA	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		NA	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		NA	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		180 U		190 U		190 U		NA	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		NA	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		NA	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		NA	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		NA	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		NA	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		NA	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		NA	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		-		-		2.28 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		330 U		330 U		340 U		NA	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U		330 U		330 U		340 U		NA	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		330 U		330 U		340 U		NA	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-		-		-		-		NA	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(0.5-1.0) 04/13/06		AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(4.0-4.5) 04/13/06		AREA I DEVELOPMENT SB-R-M5-01 SB-R-M5-01(0.5-1.0) 04/21/06		AREA I DEVELOPMENT SB-R-M5-01 SB-R-M5-01(4.08-4.58) 04/21/06		AREA I DEVELOPMENT SB-R-N5-01 SB-R-N5-01(0.5-1.0) 04/27/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U		3000 U		3000 U		3000 U		3000 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U		190 U		200 U		200 U		210 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		2.31 U		-		2.48 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U		350 U		350 U		360 U		370 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U		350 U		350 U		360 U		370 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U		350 U		350 U		360 U		370 U	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-		-		-		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-N5-01 SB-R-N5-01(6.0-6.5) 04/27/06		AREA I DEVELOPMENT SB-R-N5-03 SB-R-N5-03(0.5-1.0) 05/02/06		AREA I DEVELOPMENT SB-R-N5-03 SB-R-N5-03(2.5-3.0) 05/02/06		AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(1.5-2.0) 07/27/06		AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(8.5-9.0) 07/27/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		3000 U		3100 U		3500 U		2900 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		27000 U		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		210 U		2300 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		2300 U		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		9.96 U		-		13.0 U		2.13 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		350 U		380 U		410 U		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		350 U		380 U		410 U		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		350 U		380 U		410 U		330 U	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-		-		-		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(1.5-2.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(9.5-10.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(1.0-1.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	3100 U	3500 U	2800 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	27000 U	-	27000 U	-	26000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	-	190 U	2100 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	2300 U	-	2200 U	-	2100 U
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	13.4 U	2.24 U	2.61 U	2.15 U	2.56 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	410 U	350 U	400 U	330 U	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	410 U	350 U	400 U	330 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	410 U	350 U	400 U	330 U	380 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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NS = No standard
SB = Soil boring
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(7.5-8.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(7.5-8.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3500 U	3000 U	3700 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	13000 U	-	27000 U	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	-	190 U	2300 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	1100 U	-	2300 U	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	12.7 U	2.22 U	2.63 U	2.20 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	390 U	340 U	410 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	-	340 U	410 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	390 U	340 U	410 U	340 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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PCBS = Polychlorinated biphenyls
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(11.0-11.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(5.5-6.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(17.0-17.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	4000 U	2800 U	3200 U	4400 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	1100 U	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	1100 U	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	1100 U	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	1100 U	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	15000 U	-	13000 U	14000 U	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	1200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	1100 U	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	1100 U	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1300 U	-	1100 U	1200 U	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	3.06 U	-	2.60 U	-	2.35 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	460 UJ	340 U	390 U	420 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	460 UJ	340 U	390 U	420 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	460 UJ	340 U	390 U	420 U	360 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(9.0-9.5) 07/27/06		AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(0.5-1.0) 07/26/06		AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(6.0-6.5) 07/26/06		AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(8.5-9.0) 07/26/06		AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(0.5-1.0) 07/27/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3700 U		2800 U		4700 U		7000 UJ		3400 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		1200 U		1700 UJ		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		1200 U		1700 UJ		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		1200 U		1700 UJ		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		1200 U		1700 UJ		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		330 U		480 U		220 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.21 U		2.22 U		3.89 U		5.69 U		2.67 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		340 U		590 U		860 U		400 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		340 U		590 U		860 U		400 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		340 U		590 U		860 U		400 U	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-		-		-		-		-	

Notes:
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(15.0-15.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(1.5-2.0) 07/20/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(9.0-9.5) 07/20/06	AREA I DEVELOPMENT TP-R-M5-3-10 TP-R-M5-3-10(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3200 U	2900 U	2900 UJ	2800 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.30 U	2.29 U	2.29 U	2.19 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	350 UJ	350 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	350 UJ	350 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	350 UJ	350 UJ	330 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(1.0-1.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(1.5-2.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(8.0-8.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3000 U	3500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	200 UJ	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.27 U	2.28 U	2.27 U	2.67 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	350 UJ	350 UJ	400 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	350 UJ	-	400 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	350 UJ	350 UJ	400 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(1.5-2.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(7.5-8.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(0.5-1.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(13.0-13.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(6.5-7.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 UJ	3600 U	3300 U	3000 U	4900 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	1200 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	1200 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	1200 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	1200 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	19000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	220 U	-	190 U	1600 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	1600 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	1600 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	1600 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	1600 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	1600 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	1600 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	1600 U
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.51 U	2.57 U	2.40 U	-	3.89 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ	400 UJ	370 UJ	340 UJ	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	400 UJ	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 UJ	400 UJ	370 UJ	340 UJ	580 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(1.0-1.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(6.5-7.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(1.5-2.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(5.0-5.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(0.5-1.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3000 U	3800 UJ	3000 U	3000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	420 U	200 U	-	190 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.51 U	2.27 U	3.08 U	2.28 U	2.63 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	350 U	480 U	350 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U	350 U	480 U	350 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	350 U	480 U	350 U	400 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	1300 U	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(7.0-7.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(12.0-12.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(5.0-5.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(0.5-1.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2700 U	3000 U	2800 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	-	190 U	200 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	2.31 U	2.27 U	2.33 U	2.37 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	340 U	350 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	340 U	350 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	340 U	350 U	370 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(10.5-11.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(1.0-1.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(8.0-8.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(9.5-10.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2800 UJ	2800 U	3500 UJ	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U	190 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.18 U	2.16 U	2.18 U	2.25 U	2.41 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	340 U	350 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	340 U	340 U	350 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 U	340 U	350 U	360 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(7.5-8.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(1.0-1.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(9.0-9.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3200 U	2800 U	3100 UJ	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	11000 U	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	200 U	-	-	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	900 U	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	900 UJ	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	900 UJ	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	900 UJ	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	900 UJ	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	900 UJ	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	900 U	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	2.30 U	2.19 U	2.41 U	2.62 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	360 U	340 UJ	370 UJ	390 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	360 U	340 UJ	370 UJ	390 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	360 U	340 UJ	370 UJ	390 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(8.0-8.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(8.5-9.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(0.5-1.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2600 U	3100 U	2900 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	180 U	190 U	200 UJ
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	2.08 U	2.12 U	2.23 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	320 U	330 U	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	320 U	330 U	340 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	320 U	330 U	340 U	360 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(5.0-5.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-5 TP-R-M5-3-5(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-5 TP-R-M5-3-5(9.5-10.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(1.0-1.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(4.5-5.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2800 U	2500 UJ	4200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	1000 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	1000 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	1000 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	1000 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	180 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	20.7 UJ	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	20.7 U	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	5.16 U	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.18 U	20.7 U	2.19 U	2.92 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	340 U	330 U	330 UJ	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	340 U	330 U	330 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	340 U	330 U	330 UJ	450 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-7 TP-R-M5-3-7(0.5-1.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-7 TP-R-M5-3-7(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-8 TP-R-M5-3-8(1.0-1.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-8 TP-R-M5-3-8(7.5-8.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	2500 U	3000 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	180 U	190 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.21 U	2.03 U	2.24 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	340 UJ	320 UJ	340 UJ	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	340 UJ	320 UJ	340 UJ	310 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	340 UJ	320 UJ	340 UJ	310 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(1.5-2.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(10.0-10.5) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.39 U	2.73 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	420 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	420 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	420 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I10-01 SB-R-I10-01(0.5-1.0) 03/31/06		AREA I FINISHING SB-R-I10-01 SB-R-I10-01(1.0-1.5) 03/31/06		AREA I FINISHING SB-R-I10-02 SB-R-I10-02(0.5-1.0) 03/31/06		AREA I FINISHING SB-R-I10-02 SB-R-I10-02(2.0-2.5) 03/31/06		AREA I FINISHING SB-R-I10-03 SB-R-I10-03(0.5-1.0) 04/03/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		3500 U		3300 U		2700 U		2900 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		210 U		200 U		190 U		190 U	
METALS	THALLIUM	MG/KG	NS	2	2	-		12.2 U		-		10.9 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ		380 UJ		360 UJ		340 UJ		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ		380 UJ		360 UJ		340 UJ		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ		380 UJ		360 UJ		340 UJ		340 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I10-03 SB-R-I10-03(4.0-4.5) 04/03/06		AREA I FINISHING SB-R-I7-01 SB-R-I7-01(0.5-1.0) 04/07/06		AREA I FINISHING SB-R-I7-01 SB-R-I7-01(4.5-5.0) 04/07/06		AREA I FINISHING SB-R-I7-01 TP-R-I7-01(8.5-9.0) 08/02/06		AREA I FINISHING SB-R-I7-03 SB-R-I7-03(1.0-1.5) 04/11/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		3200 U		2900 U		NA		3500 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		210 U		180 U		NA		220 U	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.44 U		-		2.15 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U		370 U		330 U		NA		400 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U		370 U		330 U		NA		400 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U		370 U		330 U		NA		400 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I7-03 SB-R-I7-03(4.5-5.0) 04/11/06	AREA I FINISHING SB-R-I7-04 SB-R-I7-04(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-I7-04 SB-R-I7-04(4.5-5.0) 04/11/06	AREA I FINISHING SB-R-I8-01 SB-R-I8-01(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I8-01 SB-R-I8-01(4.5-5.0) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3200 U	3000 U	3000 U	3000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	-	180 U	190 U	190 U
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	-	2.17 U	2.23 U	2.20 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	350 U	330 U	340 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	-	330 U	340 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	350 U	330 U	340 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I8-02 SB-R-I8-02(0.5-1.0) 04/04/06		AREA I FINISHING SB-R-I8-02 SB-R-I8-02(2.0-2.5) 04/04/06		AREA I FINISHING SB-R-I8-03 SB-R-I8-03(0.5-1.0) 04/06/06		AREA I FINISHING SB-R-I8-03 SB-R-I8-03(4.5-5.0) 04/06/06		AREA I FINISHING SB-R-I8-04 SB-R-I8-04(0.5-1.0) 04/06/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		2700 U		2900 UJ		2700 U		3100 UJ	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		180 U		190 U		180 U		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.40 U		10.8 U		-		10.6 U		2.36 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		330 U		340 U		320 U		350 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U		330 U		340 U		320 U		-	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		330 U		340 U		320 U		350 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I8-04 SB-R-I8-04(6.0-6.5) 04/06/06	AREA I FINISHING SB-R-I9-01 SB-R-I9-01(2.75-3.25) 04/03/06	AREA I FINISHING SB-R-I9-01 SB-R-I9-01(4.0-4.5) 04/03/06	AREA I FINISHING SB-R-I9-02 SB-R-I9-02(1.0-1.5) 04/03/06	AREA I FINISHING SB-R-I9-02 SB-R-I9-02(4.0-4.5) 04/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	2700 U	2800 U	2900 U	3200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	190 U	200 U	220 U
METALS	THALLIUM	MG/KG	NS	2	2	10.4 U	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	320 U	350 U	360 U	390 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	320 U	350 U	360 U	390 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	320 U	350 U	360 U	390 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I9-03 SB-R-I9-03(0.5-1.0) 04/04/06		AREA I FINISHING SB-R-I9-03 SB-R-I9-03(2.5-3.0) 04/04/06		AREA I FINISHING SB-R-I9-04 SB-R-I9-04(0.5-1.0) 04/04/06		AREA I FINISHING SB-R-I9-04 SB-R-I9-04(4.0-4.5) 04/04/06		AREA I FINISHING SB-R-J10-01 SB-R-J10-01(0.5-1.0) 03/31/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		3400 U		3000 U		2400 U		3000 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		180 U		190 U		180 U		200 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U		2.13 U		2.27 U		2.09 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		320 U		340 U		320 U		360 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		320 U		340 U		320 U		360 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		320 U		340 U		320 U		360 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J10-01 SB-R-J10-01(4.0-4.5) 03/31/06		AREA I FINISHING SB-R-J7-01 SB-R-J7-01(0.5-1.0) 04/11/06		AREA I FINISHING SB-R-J7-01 SB-R-J7-01(5.0-5.5) 04/11/06		AREA I FINISHING SB-R-J7-02 SB-R-J7-02(0.5-1.0) 04/11/06		AREA I FINISHING SB-R-J7-02 SB-R-J7-02(4.5-5.0) 04/11/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		3500 U		2700 U		3100 U		3000 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		210 U		180 U		-		190 U	
METALS	THALLIUM	MG/KG	NS	2	2	10.5 U		-		2.08 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ		380 U		330 U		360 U		350 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ		380 U		330 U		-		350 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ		380 U		330 U		360 U		350 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J7-03 SB-R-J7-03(0.5-1.0) 04/11/06		AREA I FINISHING SB-R-J7-03 SB-R-J7-03(6.0-6.5) 04/11/06		AREA I FINISHING SB-R-J7-04 SB-R-J7-04(0.5-1.0) 04/11/06		AREA I FINISHING SB-R-J7-04 SB-R-J7-04(5.0-5.5) 04/11/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U		3000 U		3200 U		3200 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		180 U		200 U		190 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.09 U		2.17 U		2.31 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U		330 U		360 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U		330 U		360 U		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U		330 U		360 U		340 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J8-01 SB-R-J8-01(0.75-1.25) 04/04/06		AREA I FINISHING SB-R-J8-01 SB-R-J8-01(4.5-5.0) 04/04/06		AREA I FINISHING SB-R-J8-02 SB-R-J8-02(0.5-1.0) 04/04/06		AREA I FINISHING SB-R-J8-02 SB-R-J8-02(2.0-2.5) 04/04/06		AREA I FINISHING SB-R-J8-03 SB-R-J8-03(0.5-1.0) 04/06/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		2900 U		2400 UJ		2800 UJ		3400 UJ	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		200 U		190 U		210 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U		2.27 U		-		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		350 U		360 U		340 U		370 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		350 U		360 U		340 U		370 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		350 U		360 U		340 U		370 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J8-03 SB-R-J8-03(6.0-6.5) 04/06/06		AREA I FINISHING SB-R-J8-04 SB-R-J8-04(0.5-1.0) 04/06/06		AREA I FINISHING SB-R-J8-04 SB-R-J8-04(4.5-5.0) 04/06/06		AREA I FINISHING SB-R-J9-01 SB-R-J9-01(1.0-1.5) 04/03/06		AREA I FINISHING SB-R-J9-01 SB-R-J9-01(2.0-2.5) 04/03/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 UJ		2900 UJ		3200 UJ		3400 U		3200 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		180 U		200 U		190 U	
METALS	THALLIUM	MG/KG	NS	2	2	11.1 U		11.5 U		-		-		2.26 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		350 U		320 U		350 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		350 U		320 U		350 U		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		350 U		320 U		350 U		340 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J9-02 SB-R-J9-02(0.75-1.25) 04/04/06		AREA I FINISHING SB-R-J9-02 SB-R-J9-02(2.0-2.5) 04/04/06		AREA I FINISHING SB-R-K7-02 SB-R-K7-02(1.0-1.5) 04/11/06		AREA I FINISHING SB-R-K7-02 SB-R-K7-02(4.5-5.0) 04/11/06		AREA I FINISHING TP-R-J7-1-1 TP-R-J7-1-1(0.5-1.0) 07/28/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		2900 U		2700 U		2900 U		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		180 U		180 U		180 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.39 U		-		2.07 U		-		NA	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		330 U		320 U		330 U		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U		330 U		320 U		330 U		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		330 U		320 U		330 U		330 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-1 TP-R-J7-1-1(8.5-9.0) 07/28/06	AREA I FINISHING TP-R-J7-1-2 TP-R-J7-1-2(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-2 TP-R-J7-1-2(10.5-11.0) 07/28/06	AREA I FINISHING TP-R-J7-1-3 TP-R-J7-1-3(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-3 TP-R-J7-1-3(9.5-10.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	180 U	180 U	190 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	320 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	320 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	320 U	330 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-4 TP-R-J7-1-4(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-4 TP-R-J7-1-4(9.5-10.0) 07/28/06	AREA I FINISHING TP-R-J7-1-5 TP-R-J7-1-5(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-5 TP-R-J7-1-5(7.0-7.5) 07/28/06	AREA I FINISHING TP-R-J7-1-6 TP-R-J7-1-6(0.5-1.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	180 U	200 U	180 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	2.20 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	330 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	330 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	330 U	350 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-6 TP-R-J7-1-6(7.5-8.0) 07/28/06	AREA I FINISHING TP-R-J7-1-7 TP-R-J7-1-7(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-7 TP-R-J7-1-7(8.5-9.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	190 U
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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TP = Test pit
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-I5-03 SB-R-I5-03(0.5-1.0) 07/05/06	AREA I MISCELLANEOUS/OFFSITE SB-R-I5-04 SB-R-I5-04(0.5-1.0) 07/05/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J12-03 SB-R-J12-03(0.5-1.0) 06/26/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J13-01 SB-R-J13-01(0-0.25) 06/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3100 U	2900 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	NA
VOCS	TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	-	-	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	190 U	370 U
METALS	THALLIUM	MG/KG	NS	2	2	2.39 U	2.35 U	2.17 U	4.35 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	360 UJ	340 U	670 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	360 UJ	340 U	670 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	360 UJ	340 U	670 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-J5-02 SB-R-J5-02(1.0-1.5) 04/24/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J5-02 SB-R-J5-02(4.0-4.5) 04/24/06	AREA I MISCELLANEOUS/OFFSITE SB-R-K12-01 SB-R-K12-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-K12-02 SB-R-K12-02(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	3000 U	5000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	1300 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	1300 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	1300 U
VOCS	TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	-	-	-	1300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	340 U
METALS	THALLIUM	MG/KG	NS	2	2	-	2.21 U	2.44 U	3.94 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	340 UJ	370 U	610 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	340 UJ	370 U	610 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	340 UJ	370 U	610 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-L11-04 SB-R-L11-04(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-L12-01 SB-R-L12-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-L4-01 SB-R-L4-01(0.5-1.0) 06/29/06	AREA I MISCELLANEOUS/OFFSITE SB-R-M11-01 SB-R-M11-01(1.0-1.5) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	2800 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	180 U	200 U
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U	2.29 U	2.11 U	2.36 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	360 U	330 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	360 U	330 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	360 U	330 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-M4-01 SB-R-M4-01(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-M4-02 SB-R-M4-02(0.5-1.0) 06/29/06	AREA I MISCELLANEOUS/OFFSITE SB-R-N10-01 SB-R-N10-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-N4-03 SB-R-N4-03(0.5-1.0) 06/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2900 U	3800 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	250 U	190 U
METALS	THALLIUM	MG/KG	NS	2	2	2.08 U	2.26 U	2.89 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	350 U	450 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	350 U	450 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	350 U	450 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-09-02 SB-R-09-02(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-09-03 SB-R-09-03(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-P7-04 SB-R-P7-04(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-P8-01 SB-R-P8-01(0.5-1.0) 06/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	4000 U	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	250 U	200 U	200 U
METALS	THALLIUM	MG/KG	NS	2	2	2.62 U	2.95 U	2.44 U	2.39 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 U	460 U	370 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 U	460 U	370 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 U	460 U	370 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-Q7-03 SB-R-Q7-03(0.5-1.0) 06/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-
VOCS	TETRACHLOROETHYLENE(PCE)	UG/KG	1000	4000	6000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U
METALS	THALLIUM	MG/KG	NS	2	2	2.43 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-I11-02 SB-R-I11-02(0.83-1.33) 03/31/06		AREA I STORAGE SB-R-I11-02 SB-R-I11-02(2.0-2.5) 03/31/06		AREA I STORAGE SB-R-I11-02 TP-R-I11-02(6.0-6.5) 07/31/06		AREA I STORAGE SB-R-J10-02 SB-R-J10-02(1.5-2.0) 03/31/06		AREA I STORAGE SB-R-J10-02 SB-R-J10-02(2.17-2.67) 03/31/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3700 U		3400 U		NA		3100 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		NA		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		NA		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		NA		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		NA		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		NA		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U		210 U		NA		190 U		210 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		NA		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		12.8 U		2.37 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 UJ		380 UJ		NA		340 UJ		370 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 UJ		380 UJ		NA		340 UJ		370 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 UJ		380 UJ		NA		340 UJ		370 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J10-03 SB-R-J10-03(2.25-2.75) 04/03/06	AREA I STORAGE SB-R-J10-03 TP-R-J10-03(6.5-7.0) 07/31/06	AREA I STORAGE SB-R-J10-04 SB-R-J10-04(1.0-1.5) 04/12/06	AREA I STORAGE SB-R-J10-04 SB-R-J10-04(4.5-5.0) 04/12/06	AREA I STORAGE SB-R-J11-04 SB-R-J11-04(1.0-1.5) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2500 U	3000 U	2900 U	2100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	170 U	190 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.00 U	2.23 U	2.36 U	2.35 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	300 UJ	340 U	350 U	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	300 UJ	340 U	350 U	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	300 UJ	340 U	350 U	350 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J11-04 SB-R-J11-04(4.92-5.42) 03/31/06		AREA I STORAGE SB-R-J9-03 SB-R-J9-03(0.5-1.0) 04/04/06		AREA I STORAGE SB-R-J9-03 SB-R-J9-03(5.0-5.5) 04/04/06		AREA I STORAGE SB-R-J9-04 SB-R-J9-04(0.5-1.0) 04/04/06		AREA I STORAGE SB-R-J9-04 TP-R-J9-04(4.5-5.0) 07/31/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		3100 U		3000 U		3000 UJ		2600 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		200 U		180 U		200 U		170 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.31 U		-		-		2.09 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ		360 U		330 U		360 U		310 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ		360 U		330 U		360 U		310 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ		360 U		330 U		360 U		310 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K10-03 SB-R-K10-03(0.75-1.25) 04/05/06	AREA I STORAGE SB-R-K10-03 TP-R-K10-03(4.75-5.25) 07/28/06	AREA I STORAGE SB-R-K7-04 SB-R-K7-04(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-K7-04 TP-R-K7-04(5.5-6.0) 07/25/06	AREA I STORAGE SB-R-K8-01 SB-R-K8-01(1.75-2.25) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 UJ	2500 U	2800 U	2900 U	2900 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	180 U	180 U	190 UJ	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.54 U	2.04 U	-	2.26 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	320 U	330 U	340 UJ	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	320 U	330 U	340 UJ	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	320 U	330 U	340 UJ	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K8-01 SB-R-K8-01(4.0-4.5) 04/05/06	AREA I STORAGE SB-R-K8-03 SB-R-K8-03(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-K8-03 TP-R-K8-03(6.0-6.5) 07/26/06	AREA I STORAGE SB-R-K8-04 SB-R-K8-04(0.5-1.0) 04/12/06	AREA I STORAGE SB-R-K8-04 TP-R-K8-04(6.0-6.5) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	3000 U	3100 U	3100 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	180 U	200 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.34 U	2.37 U	2.04 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	330 U	360 U	360 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	330 U	360 U	360 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	330 U	360 U	360 U	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K9-01 SB-R-K9-01(0.5-1.0) 03/30/06		AREA I STORAGE SB-R-K9-01 SB-R-K9-01(1.0-1.5) 03/30/06		AREA I STORAGE SB-R-K9-02 SB-R-K9-02(0.5-1.0) 04/05/06		AREA I STORAGE SB-R-K9-02 SB-R-K9-02(4.5-5.0) 04/05/06		AREA I STORAGE SB-R-K9-03 SB-R-K9-03(0.5-1.0) 04/05/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U		2900 U		3500 UJ		3100 UJ		3200 UJ	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		210 U		200 U		210 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.30 U		2.42 U		-		2.48 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ		350 UJ		370 U		360 U		380 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ		350 UJ		370 U		360 U		380 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ		350 UJ		370 U		360 U		380 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K9-03 TP-R-K9-03(4.5-5.0) 07/28/06		AREA I STORAGE SB-R-K9-04 SB-R-K9-04(0.5-1.0) 04/05/06		AREA I STORAGE SB-R-K9-04 TP-R-K9-04(5.0-5.5) 07/28/06		AREA I STORAGE SB-R-L7-01 SB-R-L7-01(0.5-1.0) 04/13/06		AREA I STORAGE SB-R-L7-01 SB-R-L7-01(2.0-2.5) 04/13/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2400 U		3100 UJ		2700 U		2900 U		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U		200 U		180 U		190 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.09 U		-		2.13 U		2.32 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U		370 U		320 U		350 U		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U		370 U		320 U		350 U		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U		370 U		320 U		350 U		330 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L7-03 SB-R-L7-03(0.5-1.0) 04/13/06		AREA I STORAGE SB-R-L7-03 SB-R-L7-03(4.0-4.5) 04/13/06		AREA I STORAGE SB-R-L7-04 SB-R-L7-04(0.5-1.0) 04/13/06		AREA I STORAGE SB-R-L7-04 SB-R-L7-04(1.5-2.0) 04/13/06		AREA I STORAGE SB-R-L8-01 SB-R-L8-01(0.5-1.0) 03/30/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		2800 U		3100 U		2900 U		3000 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		180 U		210 U		190 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.15 U		2.40 U		2.26 U		11.8 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		330 U		370 U		340 U		350 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U		330 U		370 U		340 U		350 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		330 U		370 U		340 U		350 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-01 SB-R-L8-01(1.0-1.5) 03/30/06		AREA I STORAGE SB-R-L8-02 SB-R-L8-02(0.5-1.0) 04/06/06		AREA I STORAGE SB-R-L8-02 SB-R-L8-02(4.5-5.0) 04/06/06		AREA I STORAGE SB-R-L8-02 TP-R-L8-02(9.5-10.0) 07/26/06		AREA I STORAGE SB-R-L8-03 SB-R-L8-03(0.5-1.0) 04/06/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U		2800 U		2500 U		NA		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		NA		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		NA		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		NA		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		NA		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		NA		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U		180 U		180 U		NA		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		NA		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		NA		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		NA		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		NA		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	10.2 U		-		-		2.07 U		2.35 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 UJ		330 U		320 U		NA		360 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 UJ		330 U		320 U		NA		360 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 UJ		330 U		320 U		NA		360 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-03 SB-R-L8-03(4.0-4.5) 04/06/06	AREA I STORAGE SB-R-L8-03 TP-R-L8-03(9.5-10.0) 07/26/06	AREA I STORAGE SB-R-L8-04 SB-R-L8-04(0.5-1.0) 04/12/06	AREA I STORAGE SB-R-L8-04 SB-R-L8-04(6.5-7.0) 04/12/06	AREA I STORAGE SB-R-L9-02 SB-R-L9-02(0.5-1.0) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	NA	3000 U	2600 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	180 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	NA	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	NA	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.06 U	2.13 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	NA	330 U	330 U	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	NA	330 U	330 U	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	NA	330 U	330 U	350 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L9-02 SB-R-L9-02(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-L9-02 TP-R-L9-02(6.0-6.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	NA
METALS	ANTIMONY	MG/KG	NS	14	340	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.03 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M7-01 SB-R-M7-01(0.5-1.0) 04/17/06		AREA I STORAGE SB-R-M7-01 TP-R-M7-01(7.0-7.5) 07/27/06		AREA I STORAGE SB-R-M7-02 SB-R-M7-02(0.5-1.0) 04/17/06		AREA I STORAGE SB-R-M7-02 SB-R-M7-02(4.5-5.0) 04/17/06		AREA I STORAGE SB-R-M7-03 SB-R-M7-03(0.75-1.25) 04/27/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U		3800 U		3200 U		3300 UJ		3500 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		220 U		210 U		220 U		-	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U		2.55 U		-		2.60 U		2.59 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		390 U		380 U		390 U		400 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		390 U		380 U		390 U		400 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		390 U		380 U		390 U		400 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M7-03 SB-R-M7-03(6.0-6.5) 04/27/06		AREA I STORAGE SB-R-M8-01 SB-R-M8-01(0.5-1.0) 04/06/06		AREA I STORAGE SB-R-M8-01 SB-R-M8-01(4.5-5.0) 04/06/06		AREA I STORAGE SB-R-M8-01 TP-R-M8-01(9.0-9.5) 07/26/06		AREA I STORAGE SB-R-N4-01 SB-R-N4-01(1.5-2.0) 05/02/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U		2800 U		3200 U		NA		3200 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		NA		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		NA		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		NA		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		NA		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		NA		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		200 U		NA		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		NA		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		NA		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		NA		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		NA		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.35 U		-		-		2.21 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		340 U		360 U		NA		370 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		340 U		360 U		NA		370 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		340 U		360 U		NA		370 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N4-01 SB-R-N4-01(6.0-6.5) 05/02/06		AREA I STORAGE SB-R-N4-02 SB-R-N4-02(4.0-4.5) 05/02/06		AREA I STORAGE SB-R-N4-02 TP-R-N4-02(0.5-1.0) 08/03/06		AREA I STORAGE SB-R-N5-02 SB-R-N5-02(0.5-1.0) 05/02/06		AREA I STORAGE SB-R-N5-02 SB-R-N5-02(6.0-6.5) 05/02/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U		3000 U		13000 UJ		4500 U		2700 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		3200 UJ		1100 U		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		3200 UJ		1100 U		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		3200 UJ		1100 U		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		3200 UJ		1100 U		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		200 U		780 U		280 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		780 U		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		780 U		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		780 U		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		2.34 U		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.02 U		-		9.35 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		350 U		1400 U		430 U		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U		350 U		1400 U		430 U		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		350 U		1400 U		430 U		330 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N6-01 SB-R-N6-01(0.5-1.0) 04/27/06		AREA I STORAGE SB-R-N6-01 SB-R-N6-01(4.0-4.5) 04/27/06		AREA I STORAGE SB-R-N6-02 TP-R-N6-02(1.0-1.5) 08/03/06		AREA I STORAGE SB-R-N6-02 TP-R-N6-02(6.0-6.5) 08/03/06		AREA I STORAGE SB-R-N7-01 SB-R-N7-01(0.5-1.0) 04/17/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		2900 U		2700 U		2600 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		180 U		180 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		11.0 U		2.17 U		2.19 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		340 U		330 U		330 U		370 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		340 U		330 U		330 U		370 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		340 U		330 U		330 U		370 U	

Notes:
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Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N7-01 SB-R-N7-01(4.0-4.5) 04/17/06		AREA I STORAGE SB-R-N7-02 SB-R-N7-02(1.0-1.5) 04/27/06		AREA I STORAGE SB-R-N7-02 SB-R-N7-02(6.5-7.0) 04/27/06		AREA I STORAGE SB-R-N7-03 SB-R-N7-03(1.0-1.5) 04/27/06		AREA I STORAGE SB-R-N7-03 TP-R-N7-03(7.0-7.5) 07/26/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		3100 U		2900 U		3200 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		210 U		190 U		200 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.50 U		2.33 U		11.9 U		2.37 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		380 U		350 U		360 U		370 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		380 U		350 U		360 U		370 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		380 U		350 U		360 U		370 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-O5-01 SB-R-O5-01(0.5-1.0) 04/26/06		AREA I STORAGE SB-R-O5-01 SB-R-O5-01(5.5-6.0) 04/26/06		AREA I STORAGE SB-R-O5-02 SB-R-O5-02(1.0-1.5) 04/26/06		AREA I STORAGE SB-R-O5-02 SB-R-O5-02(5.5-6.0) 04/26/06		AREA I STORAGE SB-R-O5-03 SB-R-O5-03(0.5-1.0) 04/27/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		2800 U		3000 U		3000 U		2900 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		180 U		200 U		190 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		9.90 U		-		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		330 U		350 U		340 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		330 U		350 U		340 U		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		330 U		350 U		340 U		340 U	

Notes:
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-O5-03 SB-R-O5-03(2.0-2.5) 04/27/06		AREA I STORAGE SB-R-O5-04 SB-R-O5-04(0.5-1.0) 05/02/06		AREA I STORAGE SB-R-O5-04 SB-R-O5-04(4.0-4.5) 05/02/06		AREA I STORAGE SB-R-O6-01 SB-R-O6-01(0.5-1.0) 04/18/06		AREA I STORAGE SB-R-O6-01 SB-R-O6-01(2.0-2.5) 04/18/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		3700 U		2900 U		2900 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		230 U		200 U		190 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.01 U		-		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		410 U		360 U		350 U		360 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		410 U		360 U		350 U		360 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		410 U		360 U		350 U		360 U	

Notes:
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-06-02 SB-R-06-02(0.5-1.0) 04/26/06		AREA I STORAGE SB-R-06-02 SB-R-06-02(4.0-4.5) 04/26/06		AREA I STORAGE SB-R-07-01 SB-R-07-01(1.0-1.5) 04/18/06		AREA I STORAGE SB-R-07-01 SB-R-07-01(2.5-3.0) 04/18/06		AREA I STORAGE SB-R-07-02 SB-R-07-02(0.5-1.0) 04/18/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U		2800 U		3000 U		2900 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		200 U		190 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	10.1 U		9.62 U		-		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		330 U		360 U		340 U		360 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U		330 U		360 U		340 U		360 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		330 U		360 U		340 U		360 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-02 SB-R-07-02(2.5-3.0) 04/18/06		AREA I STORAGE SB-R-07-03 SB-R-07-03(1.0-1.5) 04/18/06		AREA I STORAGE SB-R-07-03 SB-R-07-03(4.0-4.5) 04/18/06		AREA I STORAGE SB-R-07-03 TP-R-07-03(8.0-8.5) 08/04/06		AREA I STORAGE SB-R-07-04 SB-R-07-04(0.5-1.0) 04/18/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 UJ		2700 U		3000 U		NA		2900 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		NA		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		NA		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		NA		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		NA		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		NA		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		180 U		190 U		NA		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		NA		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		NA		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		NA		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		NA		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		NA		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		-		2.18 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		330 U		340 U		NA		350 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U		330 U		340 U		NA		350 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		330 U		340 U		NA		350 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-04 SB-R-07-04(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-07-04 TP-R-07-04(8.0-8.5) 08/07/06	AREA I STORAGE SB-R-08-01 SB-R-08-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-08-01 SB-R-08-01(4.0-4.5) 04/17/06	AREA I STORAGE SB-R-P5-01 SB-R-P5-01(0.5-1.0) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	NA	3200 U	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	NA	200 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	NA	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	NA	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.29 U	2.34 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	NA	360 U	340 U	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	NA	360 U	340 U	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	NA	360 U	340 U	350 UJ

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Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		2800 U		2800 U		2800 U		2600 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		190 U		200 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		9.62 U		2.00 U		9.90 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ		340 U		340 U		360 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ		340 U		340 U		360 U		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ		340 U		340 U		360 U		340 U	

Notes:
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Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P5-04 SB-R-P5-04(0.5-1.0) 04/26/06		AREA I STORAGE SB-R-P5-04 SB-R-P5-04(2.0-2.5) 04/26/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		9.67 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		340 U	

Notes:
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Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 UJ		2600 UJ		NA		2800 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		NA		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		NA		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		NA		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		NA		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		NA		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		170 U		NA		180 U		210 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		NA		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		2.06 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		310 U		NA		330 U		390 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		310 U		NA		330 U		390 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		310 U		NA		330 U		390 U	

Notes:
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P6-03 SB-R-P6-03(0.5-1.0) 04/25/06		AREA I STORAGE SB-R-P6-03 SB-R-P6-03(2.0-2.5) 04/25/06		AREA I STORAGE SB-R-P6-04 SB-R-P6-04(0.67-1.17) 05/01/06		AREA I STORAGE SB-R-P6-04 SB-R-P6-04(2.5-3.0) 05/01/06		AREA I STORAGE SB-R-P7-01 SB-R-P7-01(0.5-1.0) 04/18/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U		2900 U		3100 U		2600 U		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U		190 U		190 U		180 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		22.4 UJ	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		22.4 U	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		2.27 U		-		22.4 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ		340 UJ		350 U		320 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 UJ		340 UJ		350 U		320 U		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 UJ		340 UJ		350 U		320 U		340 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-01 SB-R-P7-01(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-P7-01 TP-R-P7-01(6.5-7.0) 08/04/06	AREA I STORAGE SB-R-P7-02 SB-R-P7-02(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P7-02 SB-R-P7-02(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	NA	2900 U	2900 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	200 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.22 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	NA	350 U	340 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	NA	350 U	340 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	NA	350 U	340 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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TP = Test pit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-03 SB-R-P7-03(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P7-03 TP-R-P7-03(8.0-8.5) 08/07/06	AREA I STORAGE SB-R-Q5-01 SB-R-Q5-01(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-Q5-01 SB-R-Q5-01(2.0-2.5) 04/26/06	AREA I STORAGE SB-R-Q6-01 SB-R-Q6-01(0.5-1.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	NA	2700 U	3000 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	190 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	NA	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	NA	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.17 U	-	9.62 U	2.49 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	NA	340 U	340 U	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	NA	340 U	340 U	370 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	NA	340 U	340 U	370 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q6-01 SB-R-Q6-01(4.0-4.5) 04/24/06		AREA I STORAGE SB-R-Q6-02 SB-R-Q6-02(0.5-1.0) 04/24/06		AREA I STORAGE SB-R-Q6-02 SB-R-Q6-02(2.0-2.5) 04/24/06		AREA I STORAGE SB-R-Q6-03 SB-R-Q6-03(0.5-1.0) 05/01/06		AREA I STORAGE SB-R-Q6-03 SB-R-Q6-03(1.5-2.0) 05/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		2800 U		2800 U		3000 U		3200 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		190 U		200 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.27 U		2.2 U		2.22 U		2.32 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ		340 UJ		340 UJ		360 U		350 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ		340 UJ		340 UJ		360 U		350 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ		340 UJ		340 UJ		360 U		350 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q6-04 SB-R-Q6-04(0.5-1.0) 05/01/06		AREA I STORAGE SB-R-Q6-04 SB-R-Q6-04(4.0-4.5) 05/01/06		AREA I STORAGE SB-R-Q7-01 SB-R-Q7-01(0.5-1.0) 04/25/06		AREA I STORAGE SB-R-Q7-01 SB-R-Q7-01(5.5-6.0) 04/25/06		AREA I STORAGE SB-R-Q7-02 SB-R-Q7-02(0.5-1.0) 06/28/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U		2500 U		3000 U		2700 U		2900 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		180 U		200 U		180 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		-		-		2.30 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U		320 U		360 UJ		330 UJ		360 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U		320 U		360 UJ		330 UJ		360 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U		320 U		360 UJ		330 UJ		360 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R6-01 SB-R-R6-01(1.0-1.5) 04/25/06		AREA I STORAGE SB-R-R6-01 SB-R-R6-01(2.0-2.5) 04/25/06		AREA I STORAGE SB-R-R6-02 SB-R-R6-02(0.5-1.0) 04/24/06		AREA I STORAGE SB-R-R6-02 SB-R-R6-02(4.0-4.5) 04/24/06		AREA I STORAGE SB-R-R6-03 SB-R-R6-03(0.5-1.0) 05/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U		3000 U		2800 U		2700 U		3000 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U		200 U		190 U		180 U		210 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.27 U		-		-		2.48 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ		360 UJ		340 UJ		330 UJ		380 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 UJ		360 UJ		340 UJ		330 UJ		380 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 UJ		360 UJ		340 UJ		330 UJ		380 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R6-03 SB-R-R6-03(1.5-2.0) 05/01/06	AREA I STORAGE SB-R-R7-01 SB-R-R7-01(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-01 TP-R-R7-01(4.5-5.0) 08/04/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(2.0-2.5) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2000 U	2500 U	3000 U	2900 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	11000 U	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	920 U	200 U	200 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	920 U	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	920 U	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.30 U	2.13 U	2.38 U	2.39 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 UJ	370 U	360 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 UJ	370 U	360 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 UJ	370 U	360 UJ	380 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R7-02 TP-R-R7-02(6.0-6.5) 08/04/06	AREA I STORAGE SB-R-S7-01 SB-R-S7-01(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-S7-01 SB-R-S7-01(1.5-2.0) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3100 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.06 U	2.49 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	380 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	380 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	380 U	370 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(10.5-11.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	200 U	-	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	350 UJ	330 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	350 UJ	330 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	350 UJ	330 UJ	320 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-3 TP-R-J10-2166-3(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-3 TP-R-J10-2166-3(11.5-12.0) 07/31/06	AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(4.0-4.5) 07/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	2800 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	170 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.09 U	2.04 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ	340 UJ	310 UJ	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ	340 UJ	310 UJ	310 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ	340 UJ	310 UJ	310 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(7.5-8.0) 07/17/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(4.0-4.5) 07/19/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(9.5-10.0) 07/19/06	AREA I STORAGE TP-R-N6-1-12 TP-R-N6-1-12(1.5-2.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	3100 U	2800 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	210 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.07 U	-	-	2.26 U	2.36 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ	360 UJ	380 UJ	350 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ	360 UJ	380 UJ	350 UJ	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ	360 UJ	380 UJ	350 UJ	360 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-12 TP-R-N6-1-12(8.5-9.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(5.0-5.5) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(6.5-7.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(9.5-10.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	5000 U	2800 U	2600 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	1300 U	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	1300 U	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	1300 U	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	1300 U	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	18000 U	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	1500 U	190 U	170 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	1500 U	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	1500 U	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	1500 U	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	1500 U	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	1500 U	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	1500 U	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	1500 U	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	3.47 U	-	2.05 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ	540 UJ	350 UJ	310 UJ	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ	540 UJ	350 UJ	310 UJ	310 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ	540 UJ	350 UJ	310 UJ	310 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-14 TP-R-N6-1-14(1.5-2.0) 07/19/06		AREA I STORAGE TP-R-N6-1-14 TP-R-N6-1-14(11.0-11.5) 07/19/06		AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(1.5-2.0) 07/19/06		AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(10.0-10.5) 07/19/06		AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(1.5-2.0) 07/18/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U		2800 U		2600 U		2400 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		12000 U		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		180 U		980 U		180 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		980 U		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		980 U		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		980 U		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		980 U		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		980 U		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		980 U		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U		2.13 U		2.29 U		2.18 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ		320 UJ		350 UJ		330 UJ		360 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ		320 UJ		350 UJ		330 UJ		360 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ		320 UJ		350 UJ		330 UJ		360 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(9.5-10.0) 07/18/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(13.0-13.5) 07/19/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(18.0-18.5) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(1.5-2.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2800 U	3100 U	2600 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.15 U	2.19 U	2.16 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	340 UJ	340 UJ	330 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	340 UJ	340 UJ	330 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	340 UJ	340 UJ	660 UJ	340 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(16.0-16.5) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(8.5-9.0) 07/19/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(3.0-3.5) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(9.0-9.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3600 U	2700 U	3600 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	230 U	180 U	240 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	410 UJ	320 UJ	430 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	410 UJ	320 UJ	430 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	410 UJ	320 UJ	430 UJ	330 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(13.5-14.0) 07/17/06	AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(7.5-8.0) 07/17/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(10.0-10.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2300 U	2600 U	2600 U	2700 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	180 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.10 U	2.15 U	2.11 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	330 UJ	330 UJ	320 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	330 UJ	330 UJ	320 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	330 UJ	330 UJ	320 UJ	350 UJ

Notes:
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(19.5-20.0) 07/20/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(9.5-10.0) 07/18/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(14.5-15.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3200 U	3100 U	2900 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	200 U	190 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.43 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	380 UJ	360 UJ	340 UJ	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	380 UJ	360 UJ	340 UJ	310 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	380 UJ	360 UJ	340 UJ	310 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(5.5-6.0) 07/18/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(8.5-9.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 UJ	2500 U	3400 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.10 U	-	2.19 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	320 UJ	380 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	320 UJ	380 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	320 UJ	380 UJ	340 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(13.5-14.0) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(2.0-2.5) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(11.5-12.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 UJ	3700 UJ	2800 U	3400 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	230 U	190 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	2.63 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	370 UJ	410 UJ	350 UJ	410 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	370 UJ	410 UJ	350 UJ	410 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	370 UJ	410 UJ	350 UJ	410 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(20.5-21.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(16.5-17.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(5.5-6.0) 07/20/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(1.5-2.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	2800 U	3100 UJ	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	210 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	2.33 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	340 UJ	370 UJ	360 UJ	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	340 UJ	370 UJ	360 UJ	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	340 UJ	370 UJ	360 UJ	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(11.5-12.0) 07/21/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(5.5-6.0) 07/21/06	AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(7.0-7.5) 07/18/06	AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(1.5-2.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	6100 UJ	3300 U	2900 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	1500 UJ	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	1500 UJ	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	1500 UJ	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	1500 UJ	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	400 UJ	200 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	10.7 U	4.71 U	-	-	2.31 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	730 U	360 UJ	360 UJ	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	730 U	360 UJ	360 UJ	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	730 U	360 UJ	360 UJ	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(15.5-16.0) 07/21/06	AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(6.5-7.0) 07/21/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(3.0-3.5) 07/17/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(8.0-8.5) 07/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3300 UJ	2800 U	3700 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	220 U	190 U	250 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	11.1 U	2.54 U	2.27 U	2.96 U	2.12 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	390 U	340 UJ	450 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	390 U	340 UJ	450 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	390 U	340 UJ	450 UJ	320 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-30 TP-R-N6-1-30(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-30 TP-R-N6-1-30(13.5-14.0) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(14.0-14.5) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(5.5-6.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2700 U	2700 U	2700 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	180 U	180 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.59 U	2.16 U	2.14 U	-	2.40 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	330 U	320 U	340 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	330 U	320 U	340 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	330 U	320 U	340 U	370 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(1.5-2.0) 07/21/06		AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(14.5-15.0) 07/21/06		AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(7.0-7.5) 07/21/06		AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(1.5-2.0) 07/24/06		AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(13.5-14.0) 07/24/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U		2700 UJ		4000 UJ		3100 U		2500 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		1000 UJ		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		1000 UJ		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		1000 UJ		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		1000 UJ		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		250 U		220 U		-	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.26 U		-		2.58 U		2.17 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		340 U		460 U		400 UJ		340 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		340 U		460 U		400 UJ		-	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		340 U		460 U		400 UJ		340 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(6.5-7.0) 07/24/06	AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(11.5-12.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2700 U	2700 U	2700 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	190 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.49 U	2.28 U	2.19 U	2.20 U	2.35 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	340 UJ	330 UJ	330 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	340 UJ	330 UJ	330 UJ	350 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3100 U	3100 U	3000 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	220 U	200 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.55 U	2.37 U	2.35 U	2.29 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	390 UJ	360 UJ	350 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	390 UJ	360 UJ	350 UJ	360 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(8.0-8.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3100 U	2800 U	2600 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.18 U	-	-	2.15 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	340 UJ	330 UJ	330 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	340 UJ	330 UJ	330 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	340 UJ	330 UJ	330 UJ	330 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(1.5-2.0) 07/18/06		AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(10.5-11.0) 07/18/06		AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(1.5-2.0) 07/18/06		AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(8.0-8.5) 07/18/06		AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(1.5-2.0) 07/18/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		2800 U		2500 U		2400 U		2600 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		180 U		180 U		180 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		-		-		2.10 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ		330 UJ		320 UJ		330 UJ		320 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ		330 UJ		320 UJ		330 UJ		320 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ		330 UJ		320 UJ		330 UJ		320 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(4.0-4.5) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(8.0-8.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.53 U	2.13 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 UJ	320 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-B13-01 SB-R-B13-01(0.5-1.0) 05/18/06	AREA II DYNAMITE SB-R-B13-01 SB-R-B13-01(2.0-2.5) 05/18/06	AREA II DYNAMITE SB-R-B13-03 SB-R-B13-03(0.5-1.0) 05/19/06	AREA II DYNAMITE SB-R-B13-03 SB-R-B13-03(2.0-2.5) 05/19/06	AREA II DYNAMITE SB-R-B14-01 SB-R-B14-01(0.83-1.33) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U	3000 UJ	2900 UJ	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.33 U	2.17 U	2.27 U	2.16 U	2.42 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	350 U	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	350 U	340 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	350 U	340 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-B14-01 SB-R-B14-01(4.0-4.5) 05/18/06	AREA II DYNAMITE SB-R-B14-04 SB-R-B14-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-B14-04 SB-R-B14-04(4.0-4.5) 06/06/06	AREA II DYNAMITE SB-R-C12-01 SB-R-C12-01(0.5-1.0) 05/31/06	AREA II DYNAMITE SB-R-C12-01 SB-R-C12-01(4.5-5.0) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3100 U	2800 U	2700 UJ	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.09 U	-	2.28 U	2.13 U	2.20 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	360 U	340 U	330 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	360 U	340 U	330 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	360 U	340 U	330 UJ	330 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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TP = Test pit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(0.5-1.0) 06/06/06		AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(4.0-4.5) 06/06/06		AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(0.83-1.33) 05/18/06		AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(4.25-4.75) 05/18/06		AREA II DYNAMITE SB-R-C13-01 TP-R-C13-01(8.25-8.75) 08/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 UJ		2900 U		2900 U		4000 U		NA	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		NA	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		NA	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		NA	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		NA	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-		190 U		190 U		260 U		NA	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		NA	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		NA	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		NA	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		NA	
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-		-		-		-		NA	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-		-		NA	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		NA	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		NA	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		NA	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U		-		2.17 U		-		2.25 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		350 U		340 U		470 U		NA	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		350 U		340 U		470 U		NA	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		350 U		340 U		470 U		NA	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-02 SB-R-C13-02(0.5-1.0) 05/19/06		AREA II DYNAMITE SB-R-C13-02 SB-R-C13-02(2.5-3.0) 05/19/06		AREA II DYNAMITE SB-R-C13-03 SB-R-C13-03(0.5-1.0) 05/31/06		AREA II DYNAMITE SB-R-C13-03 SB-R-C13-03(5.0-5.5) 05/31/06		AREA II DYNAMITE SB-R-C13-04 SB-R-C13-04(0.5-1.0) 06/02/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 UJ		2600 U		2900 U		2800 U		2900 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U		180 U		200 U		190 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-		-		-		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.47 U		2.09 U		2.27 U		2.21 U		2.21 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U		320 U		350 UJ		340 UJ		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U		320 U		350 UJ		340 UJ		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U		320 U		350 UJ		340 UJ		340 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-04 SB-R-C13-04(4.5-5.0) 06/02/06	AREA II DYNAMITE SB-R-C14-01 SB-R-C14-01(0.5-1.0) 05/18/06	AREA II DYNAMITE SB-R-C14-01 SB-R-C14-01(2.0-2.5) 05/18/06	AREA II DYNAMITE SB-R-C14-02 SB-R-C14-02(0.75-1.25) 05/18/06	AREA II DYNAMITE SB-R-C14-02 SB-R-C14-02(4.0-4.5) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	2600 U	3100 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.23 U	2.08 U	2.29 U	2.12 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	320 U	360 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	320 U	360 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	320 U	360 U	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C14-03 SB-R-C14-03(0.58-1.08) 06/06/06	AREA II DYNAMITE SB-R-C14-03 SB-R-C14-03(4.0-4.5) 06/06/06	AREA II DYNAMITE SB-R-C14-04 SB-R-C14-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-C14-04 SB-R-C14-04(2.0-2.5) 06/06/06	AREA II DYNAMITE SB-R-D12-01 SB-R-D12-01(0.5-1.0) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	2600 U	2900 U	2800 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	200 U	200 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.40 U	2.29 U	2.37 U	2.20 U	2.36 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	360 U	360 U	330 U	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	360 U	360 U	330 U	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	360 U	360 U	330 U	360 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D12-01 SB-R-D12-01(6.5-7.0) 05/30/06	AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(2.5-3.0) 06/06/06	AREA II DYNAMITE SB-R-D12-03 SB-R-D12-03(0.75-1.25) 06/12/06	AREA II DYNAMITE SB-R-D12-03 SB-R-D12-03(5.5-6.0) 06/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3000 U	3600 U	3200 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	240 U	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	2.45 U	2.81 U	2.42 U	2.28 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	370 U	430 U	380 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	370 U	430 U	380 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	370 U	430 U	380 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D13-01 SB-R-D13-01(0.5-1.0) 05/19/06	AREA II DYNAMITE SB-R-D13-01 TP-R-D13-01(4.5-5.0) 08/08/06	AREA II DYNAMITE SB-R-D13-02 SB-R-D13-02(1.33-1.83) 06/12/06	AREA II DYNAMITE SB-R-D13-02 SB-R-D13-02(4.42-4.92) 06/12/06	AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3600 U	NA	3000 U	2900 U	3100 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	240 U	190 U	200 U	190 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.85 U	2.14 U	2.36 U	2.23 U	2.46 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	430 U	330 U	350 U	340 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	430 U	330 U	350 U	340 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	430 U	330 U	350 U	340 U	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(4.5-5.0) 08/08/06		AREA II DYNAMITE SB-R-D14-02 SB-R-D14-02(0.5-1.0) 06/06/06		AREA II DYNAMITE SB-R-D14-02 SB-R-D14-02(2.0-2.5) 06/06/06		AREA II DYNAMITE SB-R-D14-03 SB-R-D14-03(0.5-1.0) 07/06/06		AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(1.25-1.75) 05/08/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U		3200 U		2700 U		18000 UJ		2900 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		4400 UJ		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		4400 UJ		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		4400 UJ		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		4400 UJ		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		14000 U		11000 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U		210 U		190 U		1100 U		950 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		1100 U		950 U	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		1100 U		950 UJ	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		1100 U		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		1100 U		950 UJ	
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-		-		-		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		1100 U		950 UJ	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		1100 U		950 UJ	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		1100 U		950 U	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.42 U		2.41 U		2.17 U		13.4 U		2.26 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U		370 U		340 U		2100 UJ		340 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U		370 U		340 U		2100 UJ		340 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U		370 U		340 U		2100 UJ		340 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(5.0-5.5) 05/08/06		AREA II DYNAMITE SB-R-E11-01 SB-R-E11-01(0.5-1.0) 05/17/06		AREA II DYNAMITE SB-R-E11-01 SB-R-E11-01(2.5-3.0) 05/17/06		AREA II DYNAMITE SB-R-E11-02 SB-R-E11-02(0.5-1.0) 05/17/06		AREA II DYNAMITE SB-R-E11-02 SB-R-E11-02(2.25-2.75) 05/17/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		3400 U		2700 U		3200 U		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		210 U		190 U		220 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-		-		-		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.45 U		2.27 U		2.59 U		2.22 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ		380 U		350 U		390 U		350 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ		380 U		350 U		390 U		350 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ		380 U		350 U		390 U		350 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E11-04 SB-R-E11-04(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E11-04 SB-R-E11-04(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-E12-01 SB-R-E12-01(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E12-01 SB-R-E12-01(3.0-3.5) 05/26/06	AREA II DYNAMITE SB-R-E12-02 SB-R-E12-02(0.5-1.0) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3200 U	3400 U	2800 U	3400 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	210 U	190 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U	2.37 U	2.49 U	2.31 U	2.54 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	360 U	380 U	350 U	400 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	360 U	380 U	350 U	400 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	360 U	380 U	350 U	400 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E12-02 SB-R-E12-02(2.0-2.5) 05/26/06	AREA II DYNAMITE SB-R-E12-03 SB-R-E12-03(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-E12-03 SB-R-E12-03(3.0-3.5) 05/30/06	AREA II DYNAMITE SB-R-E12-04 SB-R-E12-04(0.5-1.0) 06/08/06	AREA II DYNAMITE SB-R-E12-04 SB-R-E12-04(2.0-2.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3500 U	2800 U	3200 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	220 U	180 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.36 U	2.57 U	2.12 U	2.53 U	2.28 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	390 UJ	330 UJ	380 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	390 UJ	330 UJ	380 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	390 UJ	330 UJ	380 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E13-01 SB-R-E13-01(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E13-01 SB-R-E13-01(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(5.0-5.5) 05/30/06	AREA II DYNAMITE SB-R-E13-03 SB-R-E13-03(0.5-1.0) 06/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	2900 U	2900 U	3900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	190 U	250 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.18 U	2.27 U	2.32 U	2.29 U	2.99 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	350 UJ	350 UJ	450 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	350 UJ	350 UJ	450 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	350 UJ	350 UJ	450 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E13-03 SB-R-E13-03(5.0-5.5) 06/02/06	AREA II DYNAMITE SB-R-E13-04 SB-R-E13-04(1.0-1.5) 06/08/06	AREA II DYNAMITE SB-R-E13-04 SB-R-E13-04(2.0-2.5) 06/08/06	AREA II DYNAMITE SB-R-E14-01 SB-R-E14-01(1.0-1.5) 06/05/06	AREA II DYNAMITE SB-R-E14-01 SB-R-E14-01(2.17-2.67) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	2900 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	200 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	2.27 U	2.35 U	2.45 UJ	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	350 U	350 U	370 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	350 U	350 U	370 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	350 U	350 U	370 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E14-02 SB-R-E14-02(0.5-1.0) 07/06/06	AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(5.25-5.75) 05/17/06	AREA II DYNAMITE SB-R-F12-01 SB-R-F12-01(1.0-1.5) 05/16/06	AREA II DYNAMITE SB-R-F12-01 SB-R-F12-01(2.5-3.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	19000 UJ	3500 U	2800 U	2800 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	4800 UJ	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	4800 UJ	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	4800 UJ	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	4800 UJ	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	15000 U	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1300 U	220 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1300 U	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1300 U	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1300 U	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1300 U	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1300 U	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1300 U	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1300 U	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	14.7 UJ	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	3.69 U	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	14.7 U	2.62 U	2.28 U	2.29 U	2.10 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	2300 UJ	400 U	350 U	340 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2300 UJ	400 U	350 U	340 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2300 UJ	400 U	350 U	340 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-F12-02 SB-R-F12-02(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-F12-02 SB-R-F12-02(2.0-2.5) 05/17/06	AREA II DYNAMITE SB-R-F12-03 SB-R-F12-03(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-F12-03 SB-R-F12-03(2.0-2.5) 05/26/06	AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(0.5-1.0) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	3100 U	3000 U	3600 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	190 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.36 U	2.24 U	2.40 U	2.28 U	2.64 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	350 U	360 U	350 U	400 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	350 U	360 U	350 U	400 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	350 U	360 U	350 U	400 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(2.5-3.0) 05/30/06	AREA II DYNAMITE SB-R-F12-04 TP-R-F12-04(4.5-5.0) 08/01/06	AREA II DYNAMITE SB-R-F13-01 SB-R-F13-01(1.5-2.0) 05/17/06	AREA II DYNAMITE SB-R-F13-01 SB-R-F13-01(4.0-4.5) 05/17/06	AREA II DYNAMITE SB-R-F13-02 SB-R-F13-02(0.5-1.0) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3600 UJ	NA	3300 U	2800 U	3300 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	NA	210 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	NA	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	NA	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	NA	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	NA	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.39 U	2.43 U	2.29 U	2.51 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 UJ	NA	380 U	340 UJ	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 UJ	NA	380 U	340 UJ	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 UJ	NA	380 U	340 UJ	380 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-F13-02 SB-R-F13-02(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-F13-03 SB-R-F13-03(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-F13-03 SB-R-F13-03(4.5-5.0) 05/30/06	AREA II DYNAMITE SB-R-F13-04 SB-R-F13-04(0.5-1.0) 06/08/06	AREA II DYNAMITE SB-R-F13-04 SB-R-F13-04(2.5-3.0) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3300 U	2800 U	3400 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	220 U	190 U	230 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.21 U	2.56 U	2.29 U	2.68 U	2.27 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	390 UJ	340 UJ	410 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	390 UJ	340 UJ	410 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	390 UJ	340 UJ	410 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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NS = No standard
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TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-F14-01 SB-R-F14-01(0.5-1.0) 06/05/06		AREA II DYNAMITE SB-R-F14-01 SB-R-F14-01(2.0-2.5) 06/05/06		AREA II DYNAMITE SB-R-F14-02 SB-R-F14-02(0.5-1.0) 06/07/06		AREA II DYNAMITE SB-R-F14-02 SB-R-F14-02(2.0-2.5) 06/07/06		AREA II DYNAMITE SB-R-G12-04 SB-R-G12-04(0.5-1.0) 05/16/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U		3000 U		2700 U		2700 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	230 U		190 U		190 U		190 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-		-		-		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		-		-		-	
METALS	BERYLLIUM	MG/KG	NS	2	2	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.67 U		2.21 U		2.27 U		2.27 U		2.34 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	420 U		350 U		350 U		340 U		350 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	420 U		350 U		350 U		340 U		350 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	420 U		350 U		350 U		340 U		350 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-G12-04 SB-R-G12-04(2.5-3.0) 05/16/06	AREA II DYNAMITE SB-R-G13-01 SB-R-G13-01(0.5-1.0) 05/16/06	AREA II DYNAMITE SB-R-G13-01 SB-R-G13-01(5.5-6.0) 05/16/06	AREA II DYNAMITE SB-R-G14-02 SB-R-G14-02(0.75-1.25) 06/07/06	AREA II DYNAMITE SB-R-G14-02 SB-R-G14-02(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3100 U	2900 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.17 U	2.22 U	2.16 U	2.52 U	2.25 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	340 U	390 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	340 U	390 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	340 U	390 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE TP-R-C13-666-1 TP-R-C13-666-1(6.5-7.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(1.0-1.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(6.5-7.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(0.5-1.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(6.5-7.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	500000 U	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	-	210 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	42000 U	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	42000 U	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	42000 U	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	42000 U	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	83000 U	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	42000 U	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	42000 U	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	42000 U	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	42000 U	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	300 UJ	380 U	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	380 U	340 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(0.5-1.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(7.0-7.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-5 TP-R-C13-666-5(7.5-8.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	340 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	340 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-B11-04 SB-R-B11-04(0.5-1.0) 05/31/06		AREA II NG SB-R-B11-04 SB-R-B11-04(3.5-4.0) 05/31/06		AREA II NG SB-R-C11-01 SB-R-C11-01(0.5-1.0) 05/31/06		AREA II NG SB-R-C11-01 SB-R-C11-01(6.5-7.0) 05/31/06		AREA II NG SB-R-C11-02 SB-R-C11-02(1.0-1.5) 05/31/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		3000 U		3200 U		2900 U		2800 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		200 U		190 U		180 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.30 U		2.23 U		-		2.16 U		2.16 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ		350 UJ		360 UJ		330 UJ		330 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ		350 UJ		360 UJ		330 UJ		330 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ		350 UJ		360 UJ		330 UJ		330 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C11-02 SB-R-C11-02(4.5-5.0) 05/31/06		AREA II NG SB-R-C11-03 SB-R-C11-03(0.5-1.0) 06/01/06		AREA II NG SB-R-C11-03 SB-R-C11-03(4.5-5.0) 06/01/06		AREA II NG SB-R-C11-04 SB-R-C11-04(0.5-1.0) 06/07/06		AREA II NG SB-R-C11-04 SB-R-C11-04(4.0-4.5) 06/07/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		3000 U		2900 U		3000 U		3100 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		190 U		200 U		190 U		190 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U		2.28 U		2.35 U		2.32 U		2.30 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ		350 U		350 U		350 U		350 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ		350 U		350 U		350 U		350 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ		350 U		350 U		350 U		350 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C12-02 SB-R-C12-02(0.5-1.0) 05/31/06		AREA II NG SB-R-C12-02 SB-R-C12-02(5.5-6.0) 05/31/06		AREA II NG SB-R-C12-03 SB-R-C12-03(1.0-1.5) 06/06/06		AREA II NG SB-R-C12-03 SB-R-C12-03(2.5-3.0) 06/06/06		AREA II NG SB-R-D10-01 SB-R-D10-01(0.5-1.0) 06/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U		2900 U		2900 U		2800 U		2700 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-		190 U		200 U		190 U		170 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.05 U		2.23 U		2.29 U		2.22 U		2.07 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ		330 UJ		360 U		340 U		310 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ		330 UJ		360 U		340 U		310 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ		330 UJ		360 U		340 U		310 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NA = Not analyzed
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-01 SB-R-D10-01(2.5-3.0) 06/01/06		AREA II NG SB-R-D10-02 SB-R-D10-02(1.0-1.5) 06/01/06		AREA II NG SB-R-D10-02 TP-R-D10-02(5.0-5.5) 08/15/06		AREA II NG SB-R-D10-03 SB-R-D10-03(0.5-1.0) 06/01/06		AREA II NG SB-R-D10-03 SB-R-D10-03(5.0-5.5) 06/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		2900 U		2600 U		2900 U		2900 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		190 U		180 U		190 U		190 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.12 U		-		2.15 U		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U		330 U		330 UJ		350 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U		330 U		330 UJ		350 U		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U		330 U		330 UJ		350 U		340 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-03 TP-R-D10-03(9.0-9.5) 08/08/06	AREA II NG SB-R-D10-04 SB-R-D10-04(0.5-1.0) 06/02/06	AREA II NG SB-R-D10-04 SB-R-D10-04(5.0-5.5) 06/02/06	AREA II NG SB-R-D11-01 SB-R-D11-01(1.0-1.5) 05/31/06	AREA II NG SB-R-D11-01 SB-R-D11-01(6.0-6.5) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3000 U	2900 U	3300 U	2900 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	190 U	190 U	210 U	190 U
METALS	THALLIUM	MG/KG	NS	2	2	2.16 U	2.30 U	2.29 U	2.38 U	2.15 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	350 U	350 U	370 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	350 U	350 U	370 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	350 U	350 U	370 UJ	340 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D11-02 SB-R-D11-02(0.5-1.0) 05/31/06		AREA II NG SB-R-D11-02 SB-R-D11-02(6.0-6.5) 05/31/06		AREA II NG SB-R-D11-03 SB-R-D11-03(1.0-1.5) 06/01/06		AREA II NG SB-R-D11-03 SB-R-D11-03(6.0-6.5) 06/01/06		AREA II NG SB-R-D11-04 SB-R-D11-04(0.5-1.0) 06/08/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		3100 U		3200 U		2900 U		2800 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		200 U		200 U		190 U		180 U	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.36 U		2.42 U		2.25 U		2.18 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ		360 UJ		370 U		340 U		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ		360 UJ		370 U		340 U		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ		360 UJ		370 U		340 U		330 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D11-04 SB-R-D11-04(4.0-4.5) 06/08/06		AREA II NG SB-R-E10-02 SB-R-E10-02(0.5-1.0) 06/01/06		AREA II NG SB-R-E10-02 SB-R-E10-02(6.0-6.5) 06/01/06		AREA II NG SB-R-E10-03 SB-R-E10-03(0.5-1.0) 06/02/06		AREA II NG SB-R-E10-03 SB-R-E10-03(5.0-5.5) 06/02/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		3000 U		2900 U		2900 U		2700 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		190 U		190 U		180 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U		2.33 U		2.22 U		2.23 U		2.13 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U		350 U		340 U		330 U		320 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U		350 U		340 U		330 U		320 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U		350 U		340 U		330 U		320 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area			AREA II NG		AREA II NG		AREA II NG		AREA II NG	
			Location ID			SB-R-E11-03		SB-R-E11-03		TP-R-C11-8572C-1		TP-R-C11-8572C-1	
			Field Sample ID			SB-R-E11-03(0.5-1.0)		SB-R-E11-03(4.67-5.17)		TP-R-C11-8572C-1(0.5-1.0)		TP-R-C11-8572C-1(8.5-9.0)	
			Sample Date			05/17/06		05/17/06		08/15/06		08/15/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U		3300 U		NA		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-		210 U		170 U		190 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.50 U		2.46 U		NA		NA	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U		380 U		310 UJ		350 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U		380 U		310 UJ		350 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U		380 U		310 UJ		350 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-C11-8572D-1 TP-R-C11-8572D-1(0.5-1.0) 08/15/06	AREA II NG TP-R-C11-8572D-1 TP-R-C11-8572D-1(9.0-9.5) 08/15/06	AREA II NG TP-R-D11-2031-1 TP-R-D11-2031-1(0.5-1.0) 08/15/06	AREA II NG TP-R-D11-2031-1 TP-R-D11-2031-1(6.5-7.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	230 U	180 U	200 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	410 UJ	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	410 UJ	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	410 UJ	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-D11-2031-3 TP-R-D11-2031-3(8.0-8.5) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U
METALS	THALLIUM	MG/KG	NS	2	2	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-A14-01 SB-R-A14-01(0.5-1.0) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-A14-01 SB-R-A14-01(2.0-2.5) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-02 SB-R-B14-02(0.5-1.0) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-02 SB-R-B14-02(2.0-2.5) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	3000 U	3300 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.38 U	2.23 U	2.42 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	370 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	370 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	370 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(0.5-1.0) 06/06/06		AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(2.17-2.67) 06/06/06		AREA II MISCELLANEOUS/OFFSITE SB-R-B15-01 SB-R-B15-01(0.5-1.0) 07/06/06		AREA II MISCELLANEOUS/OFFSITE SB-R-C15-01 SB-R-C15-01(0.5-1.0) 06/23/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 UJ		3100 UJ		18000 UJ		3400 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		4600 UJ		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		4600 UJ		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		4600 UJ		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		4600 UJ		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		14000 U		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U		200 U		1200 U		220 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		1200 U		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		1200 U		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		1200 U		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		1200 U		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		1200 U		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		1200 U		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		1200 U		-	
METALS	ANTIMONY	MG/KG	NS	14	340	-		-		14.4 UJ		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		14.4 U		2.69 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U		360 U		2200 UJ		400 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U		360 U		2200 UJ		400 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U		360 U		2200 UJ		400 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-C15-01 SB-R-C15-01(1.5-2.0) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-02 SB-R-C15-02(0.75-1.25) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-02 SB-R-C15-02(2.0-2.5) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D15-01 SB-R-D15-01(0.5-1.0) 07/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3000 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	190 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U	2.31 U	2.26 U	2.77 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	360 U	350 U	420 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	360 U	350 U	420 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	360 U	350 U	420 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-D9-01 SB-R-D9-01(0.5-1.0) 06/29/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D9-02 SB-R-D9-02(0.5-1.0) 06/29/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D9-03 SB-R-D9-03(0.5-1.0) 07/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-E9-03 SB-R-E9-03(0.5-1.0) 07/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3300 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	220 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.37 U	2.56 U	2.42 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	370 U	390 UJ	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	370 U	390 UJ	370 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	370 U	390 UJ	370 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-01 SB-R-F15-01(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-01 SB-R-F15-01(2.0-2.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-02 SB-R-F15-02(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-02 SB-R-F15-02(2.0-2.5) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3000 U	2800 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.19 U	2.33 U	2.28 U	2.08 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	340 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	340 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	340 U	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-03 SB-R-F15-03(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-03 SB-R-F15-03(4.0-4.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-04 SB-R-F15-04(0.5-1.0) 06/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-04 SB-R-F15-04(2.0-2.5) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2800 U	3500 UJ	2900 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	220 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.11 U	2.17 U	2.64 U	2.32 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	340 U	400 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	340 U	400 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	340 U	400 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F16-01 SB-R-F16-01(1.17-1.67) 06/07/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F16-01 SB-R-F16-01(2.0-2.5) 06/07/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G14-01 SB-R-G14-01(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G14-01 SB-R-G14-01(2.0-2.5) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	4100 U	2800 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	1000 U	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	1000 U	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	1000 U	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	2.23 U	2.26 U	2.24 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	350 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-G15-01 SB-R-G15-01(0.5-1.0) 06/07/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G15-01 SB-R-G15-01(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.42 U	2.41 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	370 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II PETN SB-R-C10-02 SB-R-C10-02(0.5-1.0) 06/01/06	AREA II PETN SB-R-C10-02 SB-R-C10-02(5.5-6.0) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT B10-503-07 TP-R-B10-503-07(11.5-12.0) 08/11/06	AREA II TNT B11-663-06 TP-R-B11-663-06(8.0-8.5) 08/10/06	AREA II TNT SB-R-A11-01 SB-R-A11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-A11-01 TP-R-A11-01(4.5-5.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	2600 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	170 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.09 U	2.02 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	340 U	310 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	-	310 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	-	310 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A11-02 SB-R-A11-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-A11-02 SB-R-A11-02(2.5-3.0) 05/25/06	AREA II TNT SB-R-A12-01 SB-R-A12-01(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-01 SB-R-A12-01(4.0-4.5) 05/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3100 U	2700 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	2.29 U	2.19 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	330 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	350 U	330 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	330 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A12-02 SB-R-A12-02(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-02 SB-R-A12-02(4.0-4.5) 05/24/06	AREA II TNT SB-R-A12-03 SB-R-A12-03(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-03 SB-R-A12-03(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	180 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.13 U	2.10 U	2.04 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	320 UJ	320 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	320 UJ	320 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	320 UJ	320 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A12-04 SB-R-A12-04(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-04 SB-R-A12-04(4.5-5.0) 05/24/06	AREA II TNT SB-R-A13-01 SB-R-A13-01(1.0-1.5) 05/19/06	AREA II TNT SB-R-A13-01 SB-R-A13-01(4.0-4.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2900 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	2.14 U	2.28 U	2.09 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	330 UJ	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	330 UJ	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	330 UJ	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A13-02 SB-R-A13-02(0.5-1.0) 05/19/06	AREA II TNT SB-R-A13-02 SB-R-A13-02(2.0-2.5) 05/19/06	AREA II TNT SB-R-A13-03 SB-R-A13-03(0.5-1.0) 05/19/06	AREA II TNT SB-R-A13-03 SB-R-A13-03(4.0-4.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2900 U	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.33 U	2.30 U	-	2.13 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A13-04 SB-R-A13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-A13-04 SB-R-A13-04(5.0-5.5) 05/23/06	AREA II TNT SB-R-B10-01 SB-R-B10-01(0.5-1.0) 05/25/06	AREA II TNT SB-R-B10-01 SB-R-B10-01(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.32 U	2.17 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	330 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	330 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	330 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B10-02 SB-R-B10-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B10-02 SB-R-B10-02(5.0-5.5) 05/25/06	AREA II TNT SB-R-B10-03 SB-R-B10-03(0.5-1.0) 06/13/06	AREA II TNT SB-R-B10-03 SB-R-B10-03(4.0-4.5) 06/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 UJ	3000 U	3100 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.48 U	2.21 U	2.29 U	2.23 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	340 U	360 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	340 U	360 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	340 U	360 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B11-01 SB-R-B11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B11-01 SB-R-B11-01(4.0-4.5) 05/23/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(6.0-6.5) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2800 U	2900 UJ	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	180 U	-	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.15 U	2.28 U	2.32 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	330 U	350 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	-	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	-	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B11-03 SB-R-B11-03(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-03 SB-R-B11-03(4.5-5.0) 05/25/06	AREA II TNT SB-R-B12-01 SB-R-B12-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B12-01 SB-R-B12-01(4.0-4.5) 05/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	2800 U	2800 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	180 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.55 U	2.11 U	-	2.09 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	330 U	320 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	330 U	320 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	330 U	320 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B12-02 SB-R-B12-02(0.5-1.0) 05/23/06	AREA II TNT SB-R-B12-02 SB-R-B12-02(2.5-3.0) 05/23/06	AREA II TNT SB-R-B12-03 SB-R-B12-03(0.5-1.0) 05/24/06	AREA II TNT SB-R-B12-03 SB-R-B12-03(2.5-3.0) 05/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U	2.22 U	2.34 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	350 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	350 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	350 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B12-04 SB-R-B12-04(0.5-1.0) 05/24/06	AREA II TNT SB-R-B12-04 SB-R-B12-04(4.0-4.5) 05/24/06	AREA II TNT SB-R-B13-02 SB-R-B13-02(1.17-1.67) 05/18/06	AREA II TNT SB-R-B13-02 SB-R-B13-02(4.0-4.5) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	2700 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.32 U	2.24 U	2.19 U	2.30 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	340 UJ	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	340 UJ	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	340 UJ	340 U	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B13-04 SB-R-B13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-B13-04 SB-R-B13-04(2.5-3.0) 05/23/06	AREA II TNT SB-R-C10-01 SB-R-C10-01(0.5-1.0) 05/25/06	AREA II TNT SB-R-C10-01 SB-R-C10-01(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3600 U	2800 U	2800 U	2900 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.46 U	-	-	2.25 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	330 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	-	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	330 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C10-03 SB-R-C10-03(0.5-1.0) 06/07/06	AREA II TNT SB-R-C10-03 SB-R-C10-03(2.33-2.83) 06/07/06	AREA II TNT SB-R-C10-04 SB-R-C10-04(0.5-1.0) 06/12/06	AREA II TNT SB-R-C10-04 SB-R-C10-04(2.0-2.5) 06/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	4800 U	3000 U	2900 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	1200 U	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	1200 U	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1200 U	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	1200 U	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.37 U	2.16 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	360 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	360 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	360 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-01 SB-R-C9-01(0.5-1.0) 05/16/06	AREA II TNT SB-R-C9-01 SB-R-C9-01(2.0-2.5) 05/16/06	AREA II TNT SB-R-C9-01 TP-R-C9-01(6.0-6.5) 08/08/06	AREA II TNT SB-R-C9-02 SB-R-C9-02(0.5-1.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	NA	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	NA	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	NA	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	NA	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	NA	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	-	-	NA	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	NA	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	NA	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	NA	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	NA	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	NA	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	NA	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	NA	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	NA	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	NA	-
METALS	THALLIUM	MG/KG	NS	2	2	2.35 U	2.23 U	2.13 U	2.44 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 U	NA	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	330 U	NA	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	330 U	NA	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	NA	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	NA	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	NA	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-02 SB-R-C9-02(2.5-3.0) 05/16/06		AREA II TNT SB-R-C9-03 SB-R-C9-03(0.5-1.0) 05/16/06		AREA II TNT SB-R-C9-03 SB-R-C9-03(2.0-2.5) 05/16/06		AREA II TNT SB-R-C9-04 SB-R-C9-04(0.5-1.0) 05/25/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result	Result	Result
VOCS		ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3100 U	2900 U	3000 U			
VOCS		BENZENE	UG/KG	1000	3000	13000	-	-	-	-			
VOCS		CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-			
VOCS		METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-			
VOCS		TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-			
SVOCS		2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	-	-	-	-			
SVOCS		2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	190 U	190 U			
SVOCS		BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-			
SVOCS		BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-			
SVOCS		BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-			
SVOCS		BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-			
SVOCS		CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-			
SVOCS		DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-			
SVOCS		INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-			
SVOCS		N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-			
METALS		THALLIUM	MG/KG	NS	2	2	2.36 U	2.31 U	-	2.31 U			
E&E		1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	350 U	350 U			
E&E		2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	350 U	350 U			
E&E		2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	350 U	350 U			
E&E		4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-			
E&E		HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-			
E&E		NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-			

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-04 SB-R-C9-04(3.0-3.5) 05/25/06	AREA II TNT TP-R-A11-2-1 TP-R-A11-2-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-2-1 TP-R-A11-2-1(6.5-7.0) 08/08/06	AREA II TNT TP-R-A11-2-2 TP-R-A11-2-2(2.0-2.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	-	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	11.2 U	2.22 U	2.15 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-2-2 TP-R-A11-2-2(7.0-7.5) 08/08/06	AREA II TNT TP-R-A11-4-1 TP-R-A11-4-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-4-1 TP-R-A11-4-1(8.0-8.5) 08/07/06	AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.11 U	11.4 U	10.5 U	10.7 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(8.0-8.5) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(5.0-5.5) 08/07/06	AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	-	180 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	10.4 U	10.8 U	2.16 U	2.13 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	320 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(7.5-8.0) 08/07/06	AREA II TNT TP-R-A11-504-1 TP-R-A11-504-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-1 TP-R-A11-504-1(7.0-7.5) 08/08/06	AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	-	200 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	10.7 U	2.17 U	2.40 U	2.23 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	-	370 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	370 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	370 U	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(10.0-10.5) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(6.0-6.5) 08/08/06	AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	14000 U	-	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1100 U	-	-	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1100 U	-	-	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1100 U	-	-	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1100 U	-	-	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1100 U	-	-	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1100 U	-	-	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1100 U	-	-	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.68 U	2.32 U	2.09 U	10.9 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	360 U	310 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	310 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	310 U	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(6.5-7.0) 08/07/06	AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(6.5-7.0) 08/07/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(0.5-1.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	NA	NA	NA	220000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	19000 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	19000 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	19000 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	19000 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	19000 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	19000 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	19000 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	19000 U
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	11.2 U	2.29 U	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	NA	NA	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	NA	NA	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	NA	NA	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	NA	NA	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	NA	NA	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	NA	NA	670000 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(2.0-2.5) 08/14/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(8.5-9.0) 08/14/06	AREA II TNT TP-R-A12-426-1 TP-R-A12-426-1(0.5-1.0) 08/15/06	AREA II TNT TP-R-A12-426-1 TP-R-A12-426-1(6.5-7.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	20000 U	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1700 U	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1700 U	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1700 U	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1700 U	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1700 U	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1700 U	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1700 U	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	350 UJ	350 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	350 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	350 UJ	350 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(0.5-1.0) 08/16/06	AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(7.0-7.5) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(8.5-9.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	340 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	-	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(9.0-9.5) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(9.0-9.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	200 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	320 U	350 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	320 U	350 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(1.0-1.5) 08/16/06	AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(8.0-8.5) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(8.5-9.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	170 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	310 U	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	310 U	330 U	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC.

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-6 TP-R-A13-625-6(8.0-8.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2.1e+006	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-
METALS	THALLIUM	MG/KG	NS	2	2	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(10.5-11.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	2.23 U	2.19 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	420 U	460 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	340 U	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(8.0-8.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(9.5-10.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.19 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	820 UJ	720 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(13.0-13.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(14.0-14.5) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	-	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.39 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	520 UJ	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-5 TP-R-B10-2/B10-509-5(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-5 TP-R-B10-2/B10-509-5(11.0-11.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-6 TP-R-B10-2/B10-509-6(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.16 U	-	2.14 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-6 TP-R-B10-2/B10-509-6(9.5-10.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(10.5-11.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	-	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.25 U	2.11 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(4.0-4.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(10.5-11.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.21 U	2.22 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(4.5-5.0) 08/10/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(12.0-12.5) 08/11/06	AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U	NA	2.22 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	330 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(13.0-13.5) 08/08/06	AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(7.5-8.0) 08/08/06	AREA II TNT TP-R-B10-502-1 TP-R-B10-502-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-B10-502-1 TP-R-B10-502-1(9.5-10.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.24 U	2.15 U	2.09 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-502-2 TP-R-B10-502-2(1.5-2.0) 08/08/06	AREA II TNT TP-R-B10-502-2 TP-R-B10-502-2(8.5-9.0) 08/08/06	AREA II TNT TP-R-B10-505-1 TP-R-B10-505-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(1.5-2.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	-
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U	2.12 U	2.26 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(1.5-2.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	-	200 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.31 U	-	2.23 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	360 U	360 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	360 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	360 U	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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TP = Test pit
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(11.5-12.0) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(10.5-11.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	-	-	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.05 U	2.29 U	2.35 U	2.12 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	340 U	360 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	340 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(10.0-10.5) 08/09/06	AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(14.5-15.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.36 U	2.12 U	2.32 U	2.16 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	-	-	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(10.5-11.0) 08/09/06	AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(2.0-2.5) 08/09/06	AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(16.5-17.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	-	170 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.08 U	2.13 U	-	2.13 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	-	-	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	310 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(16.5-17.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(5.5-6.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.30 U	2.25 U	2.07 U	2.44 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	320 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	8100 U	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(12.0-12.5) 08/11/06	AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(9.0-9.5) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	12000 U	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	980 U	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	980 U	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	980 U	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	980 U	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	980 U	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	980 U	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	980 U	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	980 U	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	350 U	340 UJ	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	340 UJ	310 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(2.75-3.25) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(9.0-9.5) 08/14/06	AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(0.5-1.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	24000 U	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	2000 U	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	2000 U	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	2000 U	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	2000 U	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	-	310 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	-	310 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(7.0-7.5) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-
METALS	THALLIUM	MG/KG	NS	2	2	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(1.0-1.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(11.0-11.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(7.5-8.0) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(1.0-1.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	170 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	310 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	350 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	310 U	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(5.0-5.5) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(8.0-8.5) 08/11/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(1.5-2.0) 08/04/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(12.5-13.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	2500 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	21000 U	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	180 U	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1800 U	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1800 U	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1800 U	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1800 U	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1800 U	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1800 U	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1800 U	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.05 U	2.35 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	320 U	-	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	320 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	320 U	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	6300 U	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(5.5-6.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(13.5-14.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(2.0-2.5) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(6.0-6.5) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2400 U	2600 U	2600 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	-	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.21 U	2.19 U	2.12 U	2.08 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	330 U	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(1.5-2.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(6.5-7.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(1.5-2.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	2900 U	2500 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	200 U	170 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.17 U	2.29 U	2.03 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	360 U	310 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	310 U	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
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Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(6.0-6.5) 08/04/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(11.5-12.0) 08/07/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(2.0-2.5) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2500 U	2500 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	-	190 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.12 U	11.1 U	2.14 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	-	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	320 U	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(7.0-7.5) 08/07/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(11.5-12.0) 08/02/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(5.0-5.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3000 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	180 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	2.09 U	2.10 U	2.03 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	320 U	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	320 U	330 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	320 U	330 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(1.5-2.0) 08/02/06		AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(12.5-13.0) 08/02/06		AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(5.5-6.0) 08/02/06		AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(1.5-2.0) 08/02/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U		2900 U		2500 U		2700 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		-		190 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.25 U		2.30 U		2.25 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U		350 U		340 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-		-		-		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U		350 U		-		340 U	
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-		-		-		-	
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-		-		-		-	
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-		-		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(5.5-6.0) 08/02/06		AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(9.5-10.0) 08/02/06		AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(1.5-2.0) 08/02/06		AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(5.5-6.0) 08/02/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2400 U		2600 U		2500 U		2300 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U		180 U		180 U		170 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.08 U		2.09 U		-		2.08 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U		320 U		330 U		310 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U		320 U		330 U		310 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U		320 U		330 U		310 U	
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-		-		-		-	
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-		-		-		-	
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-		-		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(9.5-10.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(4.0-4.5) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(8.5-9.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.17 U	2.05 U	2.20 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	320 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	340 U	320 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 U	320 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(3.0-3.5) 08/02/06	AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(4.5-5.0) 08/02/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(1.5-2.0) 08/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	2500 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	11000 U	11000 U	11000 U	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	960 U	940 U	950 U	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	960 U	940 UJ	950 U	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	960 U	940 UJ	950 U	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	960 U	940 UJ	950 U	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	960 U	940 UJ	950 U	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	960 U	940 UJ	950 U	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	960 U	940 U	950 U	-
METALS	THALLIUM	MG/KG	NS	2	2	2.25 U	2.17 U	2.21 U	2.19 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(11.5-12.0) 08/03/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(6.0-6.5) 08/03/06	AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(4.5-5.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 UJ	2300 U	2800 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	170 U	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.21 U	2.04 U	2.25 U	2.12 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	310 U	350 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	310 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	310 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(7.5-8.0) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(6.0-6.5) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(9.5-10.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2200 UJ	3100 UJ	2400 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	180 U	200 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.14 U	2.17 U	2.33 U	2.22 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	330 U	-	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	330 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	330 U	370 U	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-C10-439-1 TP-R-C10-439-1(8.0-8.5) 08/11/06	AREA II TNT TP-R-C10-439-2 TP-R-C10-439-2(1.5-2.0) 08/11/06	AREA II TNT TP-R-C10-439-3 TP-R-C10-439-3(10.0-10.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.16 U	2.11 U	2.11 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE E9-2296-09 TP-R-E9-2296-09(11.5-12.0) 08/10/06	AREA III A-LINE F9-PA6-01 TP-R-F9-PA6-01(9.0-9.5) 08/10/06	AREA III A-LINE SB-R-E10-04 SB-R-E10-04(0.5-1.0) 06/08/06	AREA III A-LINE SB-R-E10-04 SB-R-E10-04(2.0-2.5) 06/08/06	AREA III A-LINE SB-R-E9-01 SB-R-E9-01(0.5-1.0) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	3000 U	3000 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	-	-	11000 U
SVOCS	2,4,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	190 U	190 U	880 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	-	-	880 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	-	-	880 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	-	-	880 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.25 U	2.29 U	2.06 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	350 U	340 U	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	350 U	340 U	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	350 U	340 U	320 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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NS = No standard
SB = Soil boring
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-E9-01 SB-R-E9-01(4.5-5.0) 05/09/06		AREA III A-LINE SB-R-E9-02 SB-R-E9-02(1.08-1.58) 06/08/06		AREA III A-LINE SB-R-E9-02 SB-R-E9-02(4.0-4.5) 06/08/06		AREA III A-LINE SB-R-F10-01 SB-R-F10-01(1.33-1.83) 05/08/06		AREA III A-LINE SB-R-F10-01 SB-R-F10-01(4.0-4.5) 05/08/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U		2800 U		2800 U		5500 U		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		1400 U		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		1400 U		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		1400 U		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		1400 U		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		180 U		180 U		230 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		2.21 U		2.14 U		2.73 U		2.21 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ		330 U		320 U		420 UJ		340 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ		330 U		320 U		420 UJ		340 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ		330 U		320 U		420 UJ		340 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-02 SB-R-F10-02(1.0-1.5) 05/08/06	AREA III A-LINE SB-R-F10-02 SB-R-F10-02(4.0-4.5) 05/08/06	AREA III A-LINE SB-R-F10-03 SB-R-F10-03(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-F10-03 SB-R-F10-03(5.0-5.5) 05/09/06	AREA III A-LINE SB-R-F10-04 SB-R-F10-04(0.5-1.0) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	3300 U	2900 U	2900 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	200 U	-	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.55 U	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ	360 UJ	360 UJ	340 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 UJ	360 UJ	360 UJ	340 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 UJ	360 UJ	360 UJ	340 UJ	320 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-04 SB-R-F10-04(3.0-3.5) 05/09/06	AREA III A-LINE SB-R-F8-01 SB-R-F8-01(0.5-1.0) 05/11/06	AREA III A-LINE SB-R-F8-01 TP-R-F8-01(4.5-5.0) 08/07/06	AREA III A-LINE SB-R-F9-01 SB-R-F9-01(1.0-1.5) 05/09/06	AREA III A-LINE SB-R-F9-01 SB-R-F9-01(5.0-5.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	3100 UJ	3300 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	23000 U	-	-	-
SVOCS	2,4,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	1900 U	200 U	-	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	1900 U	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	1900 U	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	1900 U	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	1900 U	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	1900 U	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	1900 U	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	1900 U	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-, 2.19 U	2.24 U	2.35 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	340 U	360 U	350 UJ	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	340 U	360 U	-	370 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	340 U	360 U	350 UJ	370 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F9-01 TP-R-F9-01(9.0-9.5) 08/08/06	AREA III A-LINE SB-R-F9-02 SB-R-F9-02(1.5-2.0) 05/09/06	AREA III A-LINE SB-R-F9-02 SB-R-F9-02(4.5-5.0) 05/09/06	AREA III A-LINE SB-R-F9-03 SB-R-F9-03(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-F9-03 SB-R-F9-03(4.5-5.0) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3100 U	3100 U	2900 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	190 U	190 U	-	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.47 U	-	2.18 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	340 UJ	330 UJ	330 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	340 UJ	330 UJ	330 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	340 UJ	330 UJ	330 UJ	340 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F9-04 SB-R-F9-04(1.67-2.17) 05/10/06		AREA III A-LINE SB-R-F9-04 SB-R-F9-04(4.0-4.5) 05/10/06		AREA III A-LINE SB-R-G10-04 SB-R-G10-04(1.5-2.0) 05/08/06		AREA III A-LINE SB-R-G10-04 SB-R-G10-04(4.25-4.75) 05/08/06		AREA III A-LINE SB-R-G8-01 SB-R-G8-01(0.97-1.42) 05/10/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U		2700 U		3900 U		3200 U		2600 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U		180 U		260 U		200 U		170 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		3.05 U		2.34 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U		330 U		470 UJ		360 UJ		310 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U		330 U		470 UJ		360 UJ		310 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U		330 U		470 UJ		360 UJ		310 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-01 SB-R-G8-01(4.0-4.5) 05/10/06		AREA III A-LINE SB-R-G8-02 SB-R-G8-02(0.5-1.0) 05/10/06		AREA III A-LINE SB-R-G8-02 SB-R-G8-02(6.0-6.5) 05/10/06		AREA III A-LINE SB-R-G8-03 SB-R-G8-03(0.75-1.25) 05/11/06		AREA III A-LINE SB-R-G8-03 SB-R-G8-03(2.5-3.0) 05/11/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U		2700 U		2900 U		3100 U		3100 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		-		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		-		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		-		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		-		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U		180 U		180 U		210 U		200 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		-		2.43 U		2.45 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U		320 U		330 U		370 U		370 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U		320 U		330 U		370 U		370 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U		320 U		330 U		370 U		370 U	

Notes:
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-04 SB-R-G8-04(0.75-1.25) 05/11/06		AREA III A-LINE SB-R-G8-04 SB-R-G8-04(4.0-4.5) 05/11/06		AREA III A-LINE SB-R-G8-04 TP-R-G8-04(8.0-8.5) 08/07/06		AREA III A-LINE SB-R-G9-01 SB-R-G9-01(0.75-1.25) 05/09/06		AREA III A-LINE SB-R-G9-01 SB-R-G9-01(4.75-5.25) 05/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		3200 U		NA		3000 U		2800 U	
VOCS	BENZENE	UG/KG	1000	3000	13000	-		-		NA		-		-	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-		-		NA		-		-	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-		-		NA		-		-	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-		-		NA		-		-	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		NA		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		NA		-		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		NA		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		NA		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		NA		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		NA		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.37 U		2.26 U		NA		-		2.21 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		350 U		320 U		340 UJ		350 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U		350 U		320 U		340 UJ		350 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		350 U		320 U		340 UJ		350 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G9-02 SB-R-G9-02(1.0-1.5) 05/09/06	AREA III A-LINE SB-R-G9-02 SB-R-G9-02(2.25-2.75) 05/09/06	AREA III A-LINE SB-R-G9-04 SB-R-G9-04(0.83-1.33) 05/10/06	AREA III A-LINE SB-R-G9-04 SB-R-G9-04(4.0-4.5) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2900 U	3000 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	2.17 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	330 UJ	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	330 UJ	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	330 UJ	350 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(7.0-7.5) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(0.5-1.0) 08/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA		NA		NA	
VOCS	BENZENE	UG/KG	1000	3000	13000	NA		NA		NA	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA		NA		NA	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA		NA		NA	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA		NA		NA	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U		180 U		180 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	NA		NA		NA	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U		330 U		320 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U		330 U		-	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-		330 U		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(8.5-9.0) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(0.5-1.0) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(8.0-8.5) 08/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA		NA		NA	
VOCS	BENZENE	UG/KG	1000	3000	13000	NA		NA		NA	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA		NA		NA	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA		NA		NA	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA		NA		NA	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		180 U		190 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	NA		NA		NA	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U		330 U		340 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U		-		340 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U		330 U		340 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(7.5-8.0) 08/09/06		AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(1.0-1.5) 08/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA		NA		NA	
VOCS	BENZENE	UG/KG	1000	3000	13000	NA		NA		NA	
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA		NA		NA	
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA		NA		NA	
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA		NA		NA	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		22000 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U		200 U		1800 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		1800 UJ	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		1800 UJ	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		1800 UJ	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		1800 U	
METALS	THALLIUM	MG/KG	NS	2	2	NA		NA		NA	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U		350 U		330 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-		350 U		330 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-		350 U		330 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(8.5-9.0) 08/09/06	AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(9.25-9.75) 08/09/06	AREA III A-LINE TP-R-G8-2110-2 TP-R-G8-2110-2(1.0-1.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	170 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	310 U	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	-	330 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	310 U	330 U	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-G8-2110-2 TP-R-G8-2110-2(8.0-8.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(0.5-1.0) 08/18/06	AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(7.5-8.0) 08/18/06	AREA III A-LINE TP-R-G8-2110-4 TP-R-G8-2110-4(1.0-1.5) 08/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	10000 U	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	-	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	870 U	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	310 U	350 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	-	350 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	310 U	350 U	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-G8-2110-4 TP-R-G8-2110-4(8.0-8.5) 08/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-
METALS	THALLIUM	MG/KG	NS	2	2	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-02 SB-R-H13-02(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-02 TP-R-H13-02(4.5-5.0) 08/01/06	AREA III AN SB-R-H13-03 SB-R-H13-03(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-03 SB-R-H13-03(4.0-4.5) 05/12/06	AREA III AN SB-R-H13-04 SB-R-H13-04(0.5-1.0) 05/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3000 U	3000 U	2900 U	3200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	190 U	200 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.62 U	2.18 U	2.29 U	2.13 U	2.43 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 U	330 UJ	360 U	330 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 U	330 UJ	360 U	330 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 U	330 UJ	360 U	330 U	370 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-04 SB-R-H13-04(4.0-4.5) 05/12/06	AREA III AN SB-R-I12-02 SB-R-I12-02(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-02 SB-R-I12-02(4.0-4.5) 05/15/06	AREA III AN SB-R-I12-03 SB-R-I12-03(1.5-2.0) 05/15/06	AREA III AN SB-R-I12-03 SB-R-I12-03(4.5-5.0) 05/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	3000 U	3000 U	2800 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.21 U	2.22 U	2.29 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	340 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	340 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	340 U	350 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I12-04 SB-R-I12-04(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-04 SB-R-I12-04(4.0-4.5) 05/15/06	AREA III AN SB-R-I13-01 SB-R-I13-01(0.5-1.0) 05/12/06	AREA III AN SB-R-I13-01 SB-R-I13-01(4.0-4.5) 05/12/06	AREA III AN SB-R-I13-02 SB-R-I13-02(0.5-1.0) 05/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 UJ	2900 U	3000 U	2600 U	3300 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	-	180 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.30 U	2.40 U	2.07 U	2.45 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	360 U	320 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	-	320 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	360 U	320 U	370 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I13-02 TP-R-I13-02(7.5-8.0) 08/25/06	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(11.5-12.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	3200 U	2600 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	26000 U	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	-	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	2200 U	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	2200 U	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	2200 U	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	2200 U	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	2200 U	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	2200 U	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	2200 U	-
METALS	THALLIUM	MG/KG	NS	2	2	2.01 U	2.57 U	2.08 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	390 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	-	320 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(6.5-7.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-2 TP-R-H12-237/H13-7/H13-1-2(1.5-2.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-2 TP-R-H12-237/H13-7/H13-1-2(10.5-11.0) 08/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U		2900 UJ		2600 U	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	25000 U		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-		-		170 U	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	2100 U		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	2100 U		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	2100 U		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	2100 U		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	2100 U		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	2100 U		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.46 U		2.42 U		2.06 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ		-		310 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-		360 UJ		310 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-		360 UJ		310 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(1.5-2.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(9.5-10.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(1.5-2.0) 08/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 UJ		2100 U		3200 U	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		260000 UJ	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	240 U		190 U		-	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		22000 UJ	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		22000 UJ	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		22000 UJ	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		22000 UJ	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		22000 UJ	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		22000 UJ	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		22000 UJ	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		22000 UJ	
METALS	THALLIUM	MG/KG	NS	2	2	2.82 U		2.19 U		2.53 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	430 UJ		340 UJ		-	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	430 UJ		340 UJ		-	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	430 UJ		340 UJ		390 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(6.5-7.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(9.5-10.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(1.5-2.0) 08/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 UJ		2500 U		3300 U	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		13000 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-		180 U		-	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		1100 U	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		1100 UJ	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		1100 UJ	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		1100 UJ	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		1100 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.59 U		2.13 U		2.64 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 UJ		330 UJ		-	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 UJ		330 UJ		-	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 UJ		330 UJ		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(12.5-13.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(6.5-7.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(1.5-2.0) 08/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ		3000 U		3600 UJ	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U		200 U		-	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-		-		-	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	2.16 U		2.30 U		2.61 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ		350 UJ		400 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ		350 UJ		400 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ		350 UJ		400 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(11.5-12.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-
METALS	THALLIUM	MG/KG	NS	2	2	2.34 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(2.0-2.5) 05/05/06	AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(1.75-2.25) 05/08/06	AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(5.0-5.5) 05/08/06	AREA III MAINTENANCE SB-R-F11-03 SB-R-F11-03(0.5-1.0) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3200 U	3700 UJ	2800 U	3100 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	200 U	230 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.51 U	2.40 U	2.68 U	2.18 U	2.21 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	370 U	410 UJ	340 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U	370 U	410 UJ	340 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	370 U	410 UJ	340 UJ	340 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-F11-03 SB-R-F11-03(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(2.0-2.5) 05/04/06	AREA III MAINTENANCE SB-R-G10-01 TP-R-G10-01(6.0-6.5) 08/01/06	AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(1.0-1.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3300 UJ	3100 U	NA	2800 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	12000 U	-	NA	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	960 U	200 U	NA	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	960 U	-	NA	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	960 U	-	NA	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	960 U	-	NA	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	960 U	-	NA	-
METALS	THALLIUM	MG/KG	NS	2	2	2.25 U	-	-	2.16 U	2.41 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	350 U	360 U	NA	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	350 U	360 U	NA	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	350 U	360 U	NA	360 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(0.75-1.25) 05/08/06	AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(4.5-5.0) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	3000 UJ	2700 U	3200 U	2900 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.31 U	2.24 U	2.18 U	2.19 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	350 UJ	340 UJ	340 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	350 UJ	340 UJ	340 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	350 UJ	340 UJ	340 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(2.5-3.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(5.0-5.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-04 SB-R-G11-04(1.0-1.5) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	3300 U	3100 U	3100 U	3400 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	210 U	190 U	220 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.31 U	2.42 U	2.26 U	2.57 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	370 U	350 U	390 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	370 U	350 U	390 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	370 U	350 U	390 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G11-04 SB-R-G11-04(5.0-5.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-01 SB-R-G12-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-01 SB-R-G12-01(5.5-6.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-02 SB-R-G12-02(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-02 SB-R-G12-02(6.0-6.5) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 UJ	3000 UJ	2900 U	3700 U	3000 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U	230 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.12 U	2.17 U	2.28 U	2.67 U	2.29 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	340 U	410 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	340 U	340 U	410 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 UJ	340 U	410 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(5.0-5.5) 05/05/06	AREA III MAINTENANCE SB-R-G9-03 SB-R-G9-03(0.5-1.0) 05/10/06	AREA III MAINTENANCE SB-R-G9-03 SB-R-G9-03(5.0-5.5) 05/10/06	AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(0.5-1.0) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 UJ	2900 U	3000 U	2900 U	3000 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	200 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.32 U	2.31 U	-	-	2.24 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	350 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	350 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	350 U	340 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(2.0-2.5) 05/04/06	AREA III MAINTENANCE SB-R-H10-01 TP-R-H10-01(6.0-6.5) 08/01/06	AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(0.5-1.0) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	NA	2700 U	3000 U	2700 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	-	190 U	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	NA	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	NA	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.08 U	-	2.26 U	2.26 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	NA	330 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	NA	330 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	NA	330 U	340 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(2.5-3.0) 05/09/06	AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(1.0-1.5) 05/09/06	AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(5.0-5.5) 05/09/06	AREA III MAINTENANCE SB-R-H11-01 SB-R-H11-01(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-01 SB-R-H11-01(4.0-4.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3300 U	2700 U	2400 U	2600 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	-	180 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	-	330 U	340 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	330 U	340 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	330 U	340 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(2.5-3.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(5.0-5.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 TP-R-H11-03(9.0-9.5) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2800 U	3400 U	2800 U	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	-	180 U	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	NA
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	2.44 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	340 U	-	330 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 UJ	370 U	330 U	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	370 U	330 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H12-01 SB-R-H12-01(1.5-2.0) 05/02/06	AREA III MAINTENANCE SB-R-H12-01 SB-R-H12-01(5.0-5.5) 05/02/06	AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(0.5-1.0) 05/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3100 U	3500 U	3000 U	2900 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	190 U	180 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.26 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	350 U	410 U	360 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	350 U	410 U	360 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	350 U	410 U	360 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(4.0-4.5) 05/03/06	AREA III MAINTENANCE SB-R-H12-03 SB-R-H12-03(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-H12-03 SB-R-H12-03(4.0-4.5) 05/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U	2900 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	11.7 U	10.8 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	360 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	360 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	360 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H13-01 SB-R-H13-01(0.5-1.0) 05/02/06	AREA III MAINTENANCE SB-R-H13-01 SB-R-H13-01(2.5-3.0) 05/02/06	AREA III MAINTENANCE SB-R-H9-01 SB-R-H9-01(1.0-1.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	2800 U	3100 U	3400 U	3100 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	180 U	210 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.55 U	-	-	9.97 U	2.29 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	330 U	370 U	390 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	330 U	370 U	390 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	330 U	370 U	390 U	350 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3200 U	3000 U	NA	3100 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	NA	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	200 U	NA	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	NA	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	NA	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	NA	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	NA	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	2.14 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	350 U	360 UJ	NA	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	350 U	360 UJ	NA	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	350 U	360 UJ	NA	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-03 SB-R-H9-03(3.0-3.5) 05/10/06	AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(0.5-1.0) 05/10/06	AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(4.0-4.5) 05/10/06	AREA III MAINTENANCE SB-R-I10-04 SB-R-I10-04(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-I10-04 SB-R-I10-04(4.0-4.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	3000 U	2800 U	2800 U	2800 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	-	180 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	360 U	330 U	330 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	360 U	330 U	330 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	360 U	330 U	330 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(4.0-4.5) 05/03/06	AREA III MAINTENANCE SB-R-I11-03 TP-R-I11-03(8.0-8.5) 07/31/06	AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(5.0-5.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	NA	3000 U	2900 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	210 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.36 U	-	NA	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 U	NA	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	330 U	NA	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	330 U	NA	350 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I12-01 SB-R-I12-01(1.0-1.5) 05/03/06	AREA III MAINTENANCE SB-R-I12-01 SB-R-I12-01(4.0-4.5) 05/03/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(0.5-1.0) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(3.0-3.5) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(6.75-7.25) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3000 U	2900 UJ	3000 U	2600 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	190 U	190 U	200 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.58 U	2.28 U	2.22 U	2.35 U	2.41 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	340 U	340 U	350 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	340 U	340 U	350 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	340 U	340 U	350 U	370 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-G9-4-2 TP-R-G9-4-2(1.0-1.5) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-2 TP-R-G9-4-2(7.5-8.0) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(1.0-1.5) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(7.0-7.5) 08/08/06	AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(1.5-2.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 UJ	3000 U	3200 UJ	3100 U	2500 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	210 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.36 U	2.33 U	2.47 U	2.38 U	2.22 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	360 U	370 U	360 U	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	360 U	370 U	360 U	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	360 U	370 U	360 U	330 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(9.5-10.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-2 TP-R-H11-1-2(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-2 TP-R-H11-1-2(9.5-10.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(5.0-5.5) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	2400 U	2700 U	2600 UJ	2900 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	200 U	200 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.07 U	2.26 U	2.31 U	2.53 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	320 UJ	360 UJ	350 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	320 UJ	360 UJ	350 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	320 UJ	360 UJ	350 UJ	380 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(8.5-9.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-4 TP-R-H11-1-4(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-4 TP-R-H11-1-4(8.5-9.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 UJ	3100 U	2500 U	3000 UJ	2600 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	210 U	190 U	210 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.02 U	2.55 U	2.16 U	2.48 U	2.30 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 UJ	390 UJ	330 UJ	380 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 UJ	390 UJ	330 UJ	380 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 UJ	390 UJ	330 UJ	380 UJ	350 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-F8-02 SB-R-F8-02(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-F8-03 SB-R-F8-03(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-G7-01 SB-R-G7-01(0.5-1.0) 07/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	NA	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	-
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	-
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	260 U	190 U
METALS	THALLIUM	MG/KG	NS	2	2	2.20 U	-	2.23 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	460 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	460 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	460 UJ	350 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(0.5-1.0) 07/06/06	AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(3.5-4.0) 08/24/06	AREA III MISCELLANEOUS/OFFSITE SB-R-I13-03 SB-R-I13-03(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	NA	4200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	-	NA	1100 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	-	NA	1100 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	NA	1100 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	-	NA	1100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	290 U
METALS	THALLIUM	MG/KG	NS	2	2	2.30 U	NA	3.36 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	NA	510 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	NA	510 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	NA	510 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(0.5-1.0) 05/15/06		AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(4.0-4.5) 05/15/06		AREA III WESTERN DEVELOPMENT SB-R-G7-02 SB-R-G7-02(0.5-1.0) 07/05/06		AREA III WESTERN DEVELOPMENT SB-R-H6-03 SB-R-H6-03(0.5-1.0) 05/11/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U		2800 U		3500 U		3100 U	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U		190 U		240 U		410 U	
METALS	THALLIUM	MG/KG	NS	2	2	2.35 U		2.24 U		2.82 U		2.41 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U		350 U		430 UJ		360 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U		350 U		430 UJ		360 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U		350 U		430 UJ		360 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H6-03 SB-R-H6-03(4.25-4.75) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-03 SB-R-H7-03(0.5-1.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-03 SB-R-H7-03(4.25-4.75) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(0.5-1.0) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	2800 U	2900 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	-
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.28 U	-	2.23 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	350 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(4.5-5.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(1.0-1.5) 05/10/06	AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(2.5-3.0) 05/10/06	AREA III WESTERN DEVELOPMENT SB-R-H8-04 SB-R-H8-04(1.0-1.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3100 U	2900 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	180 U	190 U
METALS	THALLIUM	MG/KG	NS	2	2	2.30 U	-	-	2.19 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	320 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	350 U	320 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	320 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-6

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H8-04 SB-R-H8-04(3.0-3.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-7

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA III DIAZO TP-R-H8-01A-01 TP-R-88-01A-01(1.0-1.5) 12/19/06	AREA III DIAZO TP-R-H8-01A-01 TP-R-88-01A-01(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-02 TP-R-88-01A-02(1.0-1.5) 12/19/06	AREA III DIAZO TP-R-H8-01A-02 TP-R-88-01A-02(9.0-9.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-03 TP-R-88-01A-03(1.5-2.0) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 UJ	190 U	190 U	190 U	200 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	4000 UJ	3700 U	3800 U	3800 U	4000 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	200 UJ	190 U	190 U	190 U	200 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	330 U	340 U	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	330 U	340 U	340 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	330 U	340 U	340 U	360 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-7

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA III DIAZO TP-R-H8-01A-03	AREA III DIAZO TP-R-H8-01A-04	AREA III DIAZO TP-R-H8-01A-04	AREA III DIAZO TP-R-H8-01A-04	AREA III DIAZO TP-R-88-01A-05
			Location ID			TP-R-88-01A-03(9.5-10.0)	TP-R-88-01A-04(1.0-1.5)	TP-R-88-01A-04(3.0-3.5)	TP-R-88-01A-04(9.0-9.5)	TP-R-88-01A-05(1.5-2.0)
			Field Sample ID			12/20/06	12/20/06	12/20/06	12/20/06	12/20/06
			Sample Date			Result	Result	Result	Result	Result
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC					
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	-	190 U	-
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	3700 U	3900 U	4300 U	3700 U	3700 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	190 U	200 U	210 U	190 U	190 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	380 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	380 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	380 U	340 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-7

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA III DIAZO	AREA III DIAZO	AREA III DIAZO	AREA III DIAZO	AREA III DIAZO
			Location ID			TP-R-H8-01A-05	TP-R-H8-01A-05	TP-R-H8-01B-01	TP-R-H8-01B-01	TP-R-H8-01B-02
			Field Sample ID			TP-R-88-01A-05(5.0-5.5)	TP-R-88-01A-05(8.0-8.5)	TP-R-88-01B-01(1.5-2.0)	TP-R-88-01B-01(9.5-10.0)	TP-R-88-01B-02(1.5-2.0)
			Sample Date			12/20/06	12/20/06	12/20/06	12/20/06	12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	220 U	190 U	180 U	190 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	3900 U	4400 U	3800 U	3600 U	3700 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	190 U	220 U	190 U	180 U	190 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	390 U	350 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	-	350 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	390 U	350 U	330 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-7

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA III DIAZO TP-R-H8-01B-02 TP-R-88-01B-02(7.5-8.0) 12/20/06	AREA III DIAZO TP-R-H8-01B-03 TP-R-88-01B-03(1.5-2.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-03 TP-R-88-01B-03(6.5-7.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-04 TP-R-88-01B-04(1.0-1.5) 12/21/06	AREA III DIAZO TP-R-H8-01B-04 TP-R-88-01B-04(7.5-8.0) 12/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	190 U	190 U	180 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	3600 U	4000 U	3800 U	3800 U	3600 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	180 U	200 U	190 U	190 U	180 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	360 U	340 U	350 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	360 U	340 U	350 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	360 U	340 U	350 U	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-7

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(1.0-1.5) 12/21/06	AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(2.5-3.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(7.5-8.0) 12/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	250 UJ	180 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	3800 U	5000 UJ	3700 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	190 U	250 UJ	180 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	450 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	450 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	450 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-8

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - Sediment-Soil Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SD-J10-2-01 SD-J10-2-01 (0 - 1) 04/20/01	AREA I B-LINE SD-K11-1-01 SD-K11-1-01 (0 - 2) 04/19/01	AREA I DEVELOPMENT SD-H6-1-01 SD-H6-1-01 (2 - 3) 04/24/01	AREA I FINISHING SD-I7-1-01 SD-I7-1-01 (0 - 1.5) 04/19/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	78 U	92 U	67 U	83 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	780 U	920 U	670 U	830 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	78 U	92 U	67 U	83 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	140 U	100 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	140 U	100 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	140 U	100 U	120 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROBENZENE	UG/KG	10000	39000	510000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	TETRYL	UG/KG	NS	780000	10000000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SD = Sediment
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-8

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - Sediment-Soil Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SD-I8-1-01 SD-I8-1-01 (0 - 1) 04/19/01	AREA I STORAGE SD-I10-2-01 SD-I10-2-01 (0 - 1.5) 04/18/01	AREA I STORAGE SD-J10-1-01 SD-J10-1-01 (0 - 1.5) 04/20/01	AREA I STORAGE SD-P4-1-01 SD-P4-1-01 (0 - 2) 04/23/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	-	-	1200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	83 UJ	90 U	-	130 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	830 UJ	900 U	1600 U	1300 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	83 UJ	90 U	160 U	130 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	120 U	190 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	130 U	120 U	190 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	120 U	190 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROBENZENE	UG/KG	10000	39000	510000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	TETRYL	UG/KG	NS	780000	10000000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SD = Sediment
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-8

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - Sediment-Soil Samples
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SD-P4-2-01 SD-P4-2-01 (0 - 1) 04/23/01	AREA II DYNAMITE SD-C14-1-01 SD-C14-1-01 (0 - 2) 04/12/01	AREA II MISCELLANEOUS/OFFSITE SD-B14-1-01 SD-B14-1-01 (0 - 2) 04/12/01	AREA II MISCELLANEOUS/OFFSITE SD-B14-3-01 SD-B14-3-01 (0 - 2) 04/12/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	1900 U	NA	-	1300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	250 U	NA	-	180 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	2500 U	800 U	910 U	1800 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	630 U	80 U	91 U	180 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	-	2.2 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	120 U	140 U	260 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	NA	-	260 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	NA	140 U	260 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROBENZENE	UG/KG	10000	39000	510000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	TETRYL	UG/KG	NS	780000	10000000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SD = Sediment
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-8

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - Sediment-Soil Samples
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SD-C10-3-01 SD-C10-3-01 (0 - 1.5) 05/02/01	AREA II NG SD-C10-4-01 SD-C10-4-01 (0 - 2) 05/02/01	AREA II NG SD-C11-1-01 SD-C11-1-01 (0 - 2) 05/01/01	AREA II NG SD-D10-1-01 SD-D10-1-01 (0 - 1) 05/01/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	82 U	89 U	97 U	75 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	820 U	890 U	970 U	750 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	210 U	230 U	97 U	190 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	150 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	130 U	150 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	150 U	110 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROBENZENE	UG/KG	10000	39000	510000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	TETRYL	UG/KG	NS	780000	10000000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SD = Sediment
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-8

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - Sediment-Soil Samples
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II PETN SD-C10-2-01 SD-C10-2-01 (0 - 2.5) 05/02/01	AREA II TNT SD-B13-1-01 SD-B13-1-01 (0 - 1.5) 05/01/01	AREA II TNT SD-B13-2-01 SD-B13-2-01 (0 - 2) 05/01/01	AREA II TNT SD-B13-3-01 SD-B13-3-01 (0 - 0.5) 05/01/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	-	-	-
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	740 U	800 U	770 U	6700 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	190 U	200 U	77 U	670 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	11000 U	1000000 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	-	11000 U	1000000 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	-	-	1000000 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	-	11000 U	1000000 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	-	-	1000000 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	-	11000 U	1000000 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	NA	-	11000 U	1000000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	-	230000 U	20000000 U
E&E	TETRYL	UG/KG	NS	780000	10000000	NA	-	-	1000000 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SD = Sediment
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-8

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - Sediment-Soil Samples
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SD-C10-1-01 SD-C10-1-01 (0 - 2) 04/25/01		AREA II TNT SD-C9-1-01 SD-C9-1-01 (0 - 1) 04/25/01		AREA III A-LINE SD-F8-1-01 SD-F8-1-01 (0 - 2) 04/25/01		AREA III A-LINE SD-F8-2-01 SD-F8-2-01 (1 - 3) 04/25/01	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA		NA		NA		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	67 U		67 U		67 U		67 U	
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	670 U		670 U		670 U		670 U	
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	67 U		67 U		67 U		67 U	
METALS	THALLIUM	MG/KG	NS	2	2	NA		NA		NA		NA	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	99 U		99 U		99 U		99 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	99 U		99 U		-		99 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	99 U		99 U		99 U		99 U	
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	-		-		NA		NA	
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-		-		NA		NA	
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	-		-		NA		NA	
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-		-		NA		NA	
E&E	NITROBENZENE	UG/KG	10000	39000	510000	-		-		NA		NA	
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-		-		NA		NA	
E&E	TETRYL	UG/KG	NS	780000	10000000	-		-		NA		NA	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SD = Sediment
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-8

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - Sediment-Soil Samples
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SD-F9-1-01 SD-F9-1-01 (0 - 1.5) 04/25/01	AREA III A-LINE SD-F9-2-01 SD-F9-2-01 (0 - 1.5) 05/01/01	AREA III DIAZO SD-H8-1-01 SD-H8-1-01 (2 - 3) 04/24/01	AREA III MAINTENANCE SD-H10-1-01 SD-H10-1-01 (4 - 5.5) 04/24/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	89 U	67 U	67 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	670 U	890 U	670 U	670 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	67 U	230 U	67 U	67 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	99 U	130 U	100 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	99 U	130 U	100 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	99 U	130 U	100 U	100 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROBENZENE	UG/KG	10000	39000	510000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	TETRYL	UG/KG	NS	780000	10000000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SD = Sediment
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-8

Soil - Analytical Samples with PQLs Exceeding the Soil Criteria - Sediment-Soil Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SD-H9-1-01 SD-H9-1-01 (4 - 5) 04/24/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	67 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	670 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	67 U
METALS	THALLIUM	MG/KG	NS	2	2	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	100 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA
E&E	NITROBENZENE	UG/KG	10000	39000	510000	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA
E&E	TETRYL	UG/KG	NS	780000	10000000	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SD = Sediment
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the practical quantitation limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE J11-2188-10 TP-R-J11-2188-10(8.0-8.5) 08/10/06	AREA I B-LINE L11-2089-06 TP-R-L11-2089-06(13.0-13.5) 08/10/06	AREA I B-LINE SB-R-I11-01 SB-R-I11-01(1.5-2.0) 03/22/06	AREA I B-LINE SB-R-I11-01 SB-R-I11-01(4.5-5.0) 03/22/06	AREA I B-LINE SB-R-J11-01 SB-R-J11-01(0.5-1.0) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	35 U	39 U	38 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	NA	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	NA	120 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	NA	120 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J11-01 SB-R-J11-01(5.5-6.0) 03/22/06	AREA I B-LINE SB-R-J11-02 SB-R-J11-02(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-J11-02 SB-R-J11-02(5.0-5.5) 03/22/06	AREA I B-LINE SB-R-J11-03 SB-R-J11-03(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-J11-03 SB-R-J11-03(2.0-2.5) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	36 U	38 U	-	40 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J12-01 SB-R-J12-01(1.0-1.5) 03/22/06	AREA I B-LINE SB-R-J12-01 SB-R-J12-01(4.5-5.0) 03/22/06	AREA I B-LINE SB-R-J12-02 SB-R-J12-02(1.0-1.5) 03/22/06	AREA I B-LINE SB-R-J12-02 SB-R-J12-02(6.5-7.0) 03/22/06	AREA I B-LINE SB-R-K10-01 SB-R-K10-01(0.5-1.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	38 U	37 U	35 U	42 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 U	110 U	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	110 U	110 U	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	110 U	110 U	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K10-01 SB-R-K10-01(5.5-6.0) 03/23/06	AREA I B-LINE SB-R-K10-02 SB-R-K10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-K10-02 SB-R-K10-02(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(0.5-1.0) 04/13/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(4.0-4.5) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	41 U	37 U	40 U	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	5.21 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 UJ	110 UJ	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 UJ	110 UJ	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 UJ	110 UJ	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K11-01 SB-R-K11-01(0.8-1.4) 03/22/06	AREA I B-LINE SB-R-K11-01 SB-R-K11-01(5.0-5.5) 03/22/06	AREA I B-LINE SB-R-K11-02 SB-R-K11-02(1.5-2.0) 03/22/06	AREA I B-LINE SB-R-K11-02 SB-R-K11-02(4.0-4.5) 03/22/06	AREA I B-LINE SB-R-K11-03 SB-R-K11-03(0.5-1.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	38 U	38 U	38 U	78 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K11-03 SB-R-K11-03(4.0-4.5) 03/23/06	AREA I B-LINE SB-R-K11-04 SB-R-K11-04(0.75-1.25) 03/23/06	AREA I B-LINE SB-R-K11-04 SB-R-K11-04(2.0-2.5) 03/23/06	AREA I B-LINE SB-R-L10-01 SB-R-L10-01(0.25-0.75) 03/23/06	AREA I B-LINE SB-R-L10-01 SB-R-L10-01(1.5-2.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	43 U	40 U	41 U	40 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	120 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	130 U	120 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	120 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L10-02 SB-R-L10-02(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-L10-02 SB-R-L10-02(5.0-5.5) 03/23/06	AREA I B-LINE SB-R-L10-03 SB-R-L10-03(0.5-1.0) 04/12/06	AREA I B-LINE SB-R-L10-03 TP-R-L10-03(5.5-6.0) 07/27/06	AREA I B-LINE SB-R-L10-04 SB-R-L10-04(0.5-1.0) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	35 U	37 U	35 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	100 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	100 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	100 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L10-04 SB-R-L10-04(4.0-4.5) 04/12/06	AREA I B-LINE SB-R-L11-01 SB-R-L11-01(1.0-1.5) 03/23/06	AREA I B-LINE SB-R-L11-01 SB-R-L11-01(4.0-4.5) 03/23/06	AREA I B-LINE SB-R-L11-02 SB-R-L11-02(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-L11-02 SB-R-L11-02(6.5-7.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	37 U	36 U	-	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 U	110 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	100 U	110 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	100 U	110 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L11-03 SB-R-L11-03(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-L11-03 TP-R-L11-03(7.0-7.5) 07/27/06	AREA I B-LINE SB-R-L9-01 SB-R-L9-01(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-L9-01 SB-R-L9-01(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-L9-03 SB-R-L9-03(0.5-1.0) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	35 U	43 U	40 U	42 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	130 UJ	120 UJ	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	130 UJ	120 UJ	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	130 UJ	120 UJ	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L9-03 TP-R-L9-03(6.5-7.0) 07/28/06	AREA I B-LINE SB-R-L9-04 SB-R-L9-04(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-L9-04 SB-R-L9-04(2.5-3.0) 04/28/06	AREA I B-LINE SB-R-M10-01 SB-R-M10-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M10-01 TP-R-M10-01(7.0-7.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	43 U	35 U	38 U	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	130 U	100 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	130 U	100 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	130 U	100 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M10-02 SB-R-M10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M10-02 SB-R-M10-02(4.0-4.5) 03/30/06	AREA I B-LINE SB-R-M10-03 SB-R-M10-03(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-M10-03 TP-R-M10-03(6.0-6.5) 07/27/06	AREA I B-LINE SB-R-M9-01 SB-R-M9-01(0.5-1.0) 03/29/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	36 U	39 U	36 U	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	110 UJ	120 U	110 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	110 UJ	120 U	110 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	110 UJ	120 U	110 U	100 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-01 SB-R-M9-01(2.0-2.5) 03/29/06	AREA I B-LINE SB-R-M9-02 SB-R-M9-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M9-02 TP-R-M9-02(4.5-5.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	3300 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	1600 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	-	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	8.33 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 UJ	630 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	140 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 UJ	630 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-03 SB-R-M9-03(0.5-1.0) 03/30/06 Result	AREA I B-LINE SB-R-M9-03 SB-R-M9-03(1.5-2.0) 03/30/06 Result	AREA I B-LINE SB-R-M9-04 SB-R-M9-04(1.0-1.5) 04/13/06 Result	AREA I B-LINE SB-R-M9-04 SB-R-M9-04(2.5-3.0) 04/13/06 Result	AREA I B-LINE SB-R-M9-05 SB-R-M9-05(0.5-1.0) 04/28/06 Result	AREA I B-LINE SB-R-M9-05 TP-R-M9-05(4.5-5.0) 07/26/06 Result
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC						
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	41 U	42 U	36 U	42 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 UJ	120 U	110 U	130 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	120 UJ	120 U	110 U	130 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 UJ	120 U	110 U	130 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-N8-01 SB-R-N8-01(1.0-1.5) 04/17/06	AREA I B-LINE SB-R-N8-01 SB-R-N8-01(4.5-5.0) 04/17/06	AREA I B-LINE SB-R-N9-01 SB-R-N9-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-N9-01 SB-R-N9-01(5.08-5.58) 03/29/06	AREA I B-LINE SB-R-N9-02 SB-R-N9-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-N9-02 SB-R-N9-02(1.5-2.0) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	48 U	40 U	40 U	43 U	38 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	140 U	120 U	120 U	130 U	120 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	140 U	120 U	120 U	130 U	120 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 U	120 U	120 U	130 U	120 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-N9-03 SB-R-N9-03(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-N9-03 SB-R-N9-03(2.0-2.5) 03/30/06	AREA I B-LINE SB-R-O8-02 SB-R-O8-02(0.5-1.0) 04/18/06	AREA I B-LINE SB-R-O8-02 SB-R-O8-02(4.0-4.5) 04/18/06	AREA I B-LINE SB-R-O8-03 SB-R-O8-03(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-O8-03 SB-R-O8-03(5.5-6.0) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	36 U	36 U	38 U	36 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	110 U	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 UJ	110 U	120 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	110 U	120 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-O8-04 SB-R-O8-04(0.5-1.0) 06/29/06	AREA I B-LINE SB-R-O9-01 SB-R-O9-01(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-O9-01 SB-R-O9-01(4.0-4.5) 04/28/06	AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(0.5-1.0) 12/21/05	AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(1.5-2.0) 12/21/05	AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(4.5-5.0) 12/21/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	40 U	36 U	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M8-05 SB-R0-M8-05(0.5-1.0) 12/21/05	AREA I B-LINE SB-R0-M8-05 SB-R0-M8-05(4.0-4.5) 12/21/05	AREA I B-LINE SB-R0-M9-01 SB-R0-M9-01(4.5-5.0) 12/21/05	AREA I B-LINE SB-R0-M9-03 SB-R0-M9-03(0.5-1.0) 12/22/05	AREA I B-LINE SB-R0-M9-04 SB-R0-M9-04(1.5-2.0) 12/22/05	AREA I B-LINE SB-R0-M9-09 SB-R0-M9-09(0.5-1.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	240 UJ	76 U	67 U	74 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	NA	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-09 SB-R0-M9-09(4.0-4.5) 12/22/05 Result	AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(2.5-3.0) 12/22/05 Result	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(1.0-1.5) 07/19/06 Result	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(2.0-2.5) 07/19/06 Result	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(4.5-5.0) 07/19/06 Result	AREA I B-LINE TP-R-M8-1-10 TP-R-M8-1-10(0.5-1.0) 07/20/06 Result
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC						
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	67 U	67 U	42 U	44 U	40 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	130 UJ	130 UJ	120 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	130 UJ	130 UJ	120 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	130 UJ	130 UJ	120 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-10 TP-R-M8-1-10(3.5-4.0) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(1.0-1.5) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(6.0-6.5) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(1.5-2.0) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(4.0-4.5) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(7.5-8.0) 07/20/06 Result
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC						
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	36 U	42 U	41 U	59 U	55 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	2.31 U	2.14 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	110 UJ	130 UJ	120 UJ	180 UJ	170 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	110 UJ	130 UJ	120 UJ	180 UJ	170 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	110 UJ	130 UJ	120 UJ	180 UJ	170 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(0.5-1.0) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(1.5-2.0) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(6.0-6.5) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-14 TP-R-M8-1-14(1.5-2.0) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-14 TP-R-M8-1-14(5.0-5.5) 07/20/06 Result	AREA I B-LINE TP-R-M8-1-15 TP-R-M8-1-15(1.0-1.5) 07/20/06 Result
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC						
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	1200 UJ	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	39 U	72 U	37 U	43 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.87 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 UJ	220 UJ	110 UJ	130 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	120 UJ	220 UJ	110 UJ	130 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 UJ	220 UJ	110 UJ	130 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-15 TP-R-M8-1-15(5.0-5.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-
METALS	THALLIUM	MG/KG	NS	2	2	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area			AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(6.0-6.5) 07/25/06	AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	2800 UJ	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	1400 UJ	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	43 U	400 U	180 U	41 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	6.83 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	140 UJ	130 UJ	120 UJ	530 UJ	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	120 UJ	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 UJ	130 UJ	120 UJ	530 UJ	120 UJ

Notes:
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area			AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(4.5-5.0) 07/25/06	AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(2.0-2.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 UJ	-	2700 UJ	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1500 UJ	-	1300 UJ	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 UJ	45 U	180 UJ	-	40 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	8.18 U	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	620 UJ	130 UJ	550 UJ	110 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	110 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	620 UJ	130 UJ	550 UJ	110 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(3.5-4.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	3600 UJ	-	3200 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	1800 UJ	-	1600 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	39 U	220 U	45 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	8.36 U	-	7.55 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	120 UJ	650 UJ	140 UJ	580 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	-	650 UJ	140 UJ	580 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	120 UJ	650 UJ	140 UJ	580 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area			AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(4.5-5.0) 07/25/06	AREA I B-LINE TP-R-M8-1-4 TP-R-M8-1-4(0.5-1.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	2900 UJ	-	3300 UJ	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	1400 UJ	-	1700 UJ	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	21000 U	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	1100 U	41 U	220 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	1100 U	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	1100 U	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	1100 U	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	1100 U	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	1100 U	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	1100 U	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	1100 U	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	8.47 U	-	8.41 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	640 UJ	120 UJ	660 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	660 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	640 UJ	120 UJ	660 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-4 TP-R-M8-1-4(3.5-4.0) 07/19/06	AREA I B-LINE TP-R-M8-1-5 TP-R-M8-1-5(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-5 TP-R-M8-1-5(2.5-3.0) 07/19/06	AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(4.0-4.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	1200 U	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	36 U	41 U	57 U	44 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	2.22 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	120 UJ	170 UJ	130 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 UJ	120 UJ	170 UJ	130 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	120 UJ	170 UJ	130 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-7 TP-R-M8-1-7(0.5-1.0) 07/19/06 Result	AREA I B-LINE TP-R-M8-1-7 TP-R-M8-1-7(4.5-5.0) 07/19/06 Result	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(1.0-1.5) 07/19/06 Result	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(4.0-4.5) 07/19/06 Result	AREA I B-LINE TP-R-M8-1-9 TP-R-M8-1-9(1.0-1.5) 07/19/06 Result
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC					
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	41 U	180 U	190 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 UJ	110 UJ	120 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	120 UJ	110 UJ	120 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 UJ	110 UJ	120 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-9 TP-R-M8-1-9(5.0-5.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-
METALS	THALLIUM	MG/KG	NS	2	2	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H5-01 SB-R-H5-01(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-H5-01 SB-R-H5-01(4.0-4.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(1.0-1.5) 04/07/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(5.0-5.5) 04/07/06	AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(1.0-1.5) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	380 U	38 U	-	38 U	41 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	130 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	120 UJ	130 U	110 U	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	130 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(2.0-2.5) 04/19/06	AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(4.5-5.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(4.5-5.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	41 U	36 U	42 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	110 U	130 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	120 U	110 U	130 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	110 U	130 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NA = Not analyzed
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SB = Soil boring
TP = Test pit
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I5-01 SB-R-I5-01(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I5-01 SB-R-I5-01(2.0-2.5) 04/19/06	AREA I DEVELOPMENT SB-R-I5-02 SB-R-I5-02(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I5-02 TP-R-I5-02(4.5-5.0) 08/03/06	AREA I DEVELOPMENT SB-R-I6-01 SB-R-I6-01(0.5-1.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	37 U	36 U	35 U	1 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	110 U	110 U	110 U	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	110 U	110 UJ	110 U	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	110 U	110 U	110 U	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I6-01 SB-R-I6-01(4.0-4.5) 04/07/06	AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(4.5-5.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-03 SB-R-I6-03(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-03 SB-R-I6-03(2.5-3.0) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	-	39 U	38 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	130 U	120 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	130 UJ	120 UJ	120 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	130 U	120 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(4.0-4.5) 04/19/06	AREA I DEVELOPMENT SB-R-I7-02 SB-R-I7-02(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-I7-02 SB-R-I7-02(4.0-4.5) 04/07/06	AREA I DEVELOPMENT SB-R-J5-01 SB-R-J5-01(0.5-1.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	43 U	39 U	41 U	36 U	42 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	120 U	120 U	110 U	130 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	120 UJ	120 U	110 U	130 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	120 U	120 U	110 U	130 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-J5-01 SB-R-J5-01(2.5-3.0) 04/24/06	AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(4.0-4.5) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	-	38 U	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	130 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	130 UJ	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	130 U	110 U	7500 U	2000 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-J6-02 TP-R-J6-02(8.0-8.5) 08/03/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(1.0-1.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(4.5-5.0) 04/20/06	AREA I DEVELOPMENT SB-R-K5-01 SB-R-K5-01(0.5-1.0) 04/24/06	AREA I DEVELOPMENT SB-R-K5-01 SB-R-K5-01(2.5-3.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	-	40 U	45 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	110 U	120 U	140 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	-	120 U	140 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	110 U	120 U	140 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K5-02 SB-R-K5-02(0.5-1.0) 05/02/06	AREA I DEVELOPMENT SB-R-K5-02 SB-R-K5-02(4.5-5.0) 05/02/06	AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K6-02 SB-R-K6-02(0.5-1.0) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	37 U	38 U	35 U	77 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 U	100 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	110 U	100 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	110 U	100 U	420 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K6-02 SB-R-K6-02(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K6-03 TP-R-K6-03(1.5-2.0) 08/03/06	AREA I DEVELOPMENT SB-R-K6-03 TP-R-K6-03(6.5-7.0) 08/03/06	AREA I DEVELOPMENT SB-R-K6-04 SB-R-K6-04(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-K6-04 SB-R-K6-04(4.0-4.5) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	38 U	35 U	37 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	100 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	100 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	100 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K7-01 SB-R-K7-01(0.5-1.0) 04/11/06	AREA I DEVELOPMENT SB-R-K7-01 SB-R-K7-01(4.5-5.0) 04/11/06	AREA I DEVELOPMENT SB-R-K7-03 SB-R-K7-03(1.0-1.5) 04/11/06	AREA I DEVELOPMENT SB-R-K7-03 SB-R-K7-03(4.0-4.5) 04/11/06	AREA I DEVELOPMENT SB-R-K8-02 SB-R-K8-02(0.5-1.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	38 U	37 U	35 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K8-02 SB-R-K8-02(5.5-6.0) 04/06/06	AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(4.0-4.5) 04/21/06	AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(1.5-2.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(4.0-4.5) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	38 U	37 U	40 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L5-03 SB-R-L5-03(1.0-1.5) 04/21/06	AREA I DEVELOPMENT SB-R-L5-03 SB-R-L5-03(4.17-4.67) 04/21/06	AREA I DEVELOPMENT SB-R-L6-01 SB-R-L6-01(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L6-01 SB-R-L6-01(2.0-2.5) 04/13/06	AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(0.5-1.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	54 U	39 U	39 U	37 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	160 U	120 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	160 U	120 U	120 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	160 U	120 U	120 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(4.5-5.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U
METALS	THALLIUM	MG/KG	NS	2	2	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(4.0-4.5) 04/21/06	AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(1.0-1.5) 04/21/06	AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(5.0-5.5) 04/21/06	AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(0.5-1.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	36 U	37 U	37 U	43 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 U	110 U	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	110 U	110 U	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	110 U	110 U	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(4.0-4.5) 04/13/06	AREA I DEVELOPMENT SB-R-M5-01 SB-R-M5-01(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-M5-01 SB-R-M5-01(4.08-4.58) 04/21/06	AREA I DEVELOPMENT SB-R-N5-01 SB-R-N5-01(0.5-1.0) 04/27/06	AREA I DEVELOPMENT SB-R-N5-01 SB-R-N5-01(6.0-6.5) 04/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	39 U	40 U	41 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-N5-03 SB-R-N5-03(0.5-1.0) 05/02/06	AREA I DEVELOPMENT SB-R-N5-03 SB-R-N5-03(2.5-3.0) 05/02/06	AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(1.5-2.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(8.5-9.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(1.5-2.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	42 U	450 U	37 U	-
METALS	THALLIUM	MG/KG	NS	2	2	4.78 U	-	8.68 U	-	8.91 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	140 U	110 U	140 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	130 U	140 U	110 U	140 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	140 U	110 U	140 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
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TP = Test pit
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(9.5-10.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(1.0-1.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(7.5-8.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	-	37 U	430 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	110 U	130 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	130 U	110 U	-	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	110 U	130 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(7.5-8.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(0.5-1.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	38 U	450 U	38 U	-
METALS	THALLIUM	MG/KG	NS	2	2	8.45 U	-	-	-	2.03 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	110 U	140 U	110 U	150 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	110 U	140 U	110 U	150 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	110 U	140 U	110 U	150 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(11.0-11.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(5.5-6.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(17.0-17.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(9.0-9.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	240 U	40 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	130 U	140 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	130 U	140 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	130 U	140 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(6.0-6.5) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(8.5-9.0) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(15.0-15.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	1400 UJ	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	65 U	96 U	45 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	2.59 U	3.78 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	200 U	290 U	130 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	200 U	290 U	130 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	200 U	290 U	130 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(1.5-2.0) 07/20/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(9.0-9.5) 07/20/06	AREA I DEVELOPMENT TP-R-M5-3-10 TP-R-M5-3-10(1.5-2.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(1.0-1.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	38 U	39 U	37 U	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 UJ	120 UJ	110 UJ	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 UJ	120 UJ	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 UJ	120 UJ	110 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(1.5-2.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(8.0-8.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	39 UJ	45 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	120 UJ	130 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	-	130 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	120 UJ	130 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(1.5-2.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(7.5-8.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(0.5-1.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(13.0-13.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(6.5-7.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	45 U	-	38 U	320 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	2.59 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	130 UJ	120 UJ	110 UJ	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	130 UJ	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	130 UJ	120 UJ	110 UJ	190 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(1.0-1.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(6.5-7.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(1.5-2.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(5.0-5.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(0.5-1.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	84 U	39 U	-	39 U	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.05 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	120 U	160 U	120 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	120 U	160 U	120 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	120 U	160 U	120 U	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(7.0-7.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(12.0-12.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(5.0-5.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(0.5-1.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	-	38 U	39 U	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(10.5-11.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(1.0-1.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(8.0-8.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(9.5-10.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	37 U	37 U	39 U	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(7.5-8.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(1.0-1.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(9.0-9.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	40 U	-	-	44 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 UJ	120 UJ	130 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 UJ	120 UJ	130 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 UJ	120 UJ	130 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(8.0-8.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(8.5-9.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(0.5-1.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	36 U	36 U	38 U	40 UJ
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(5.0-5.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-5 TP-R-M5-3-5(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-5 TP-R-M5-3-5(9.5-10.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(1.0-1.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(4.5-5.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	38 U	36 U	37 U	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	13.7 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 UJ	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	110 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	110 UJ	150 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-7 TP-R-M5-3-7(0.5-1.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-7 TP-R-M5-3-7(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-8 TP-R-M5-3-8(1.0-1.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-8 TP-R-M5-3-8(7.5-8.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	38 U	35 U	38 U	34 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	110 UJ	110 UJ	100 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	110 UJ	110 UJ	100 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	110 UJ	110 UJ	100 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(1.5-2.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(10.0-10.5) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	47 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	140 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	140 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	140 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I10-01 SB-R-I10-01(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-I10-01 SB-R-I10-01(1.0-1.5) 03/31/06	AREA I FINISHING SB-R-I10-02 SB-R-I10-02(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-I10-02 SB-R-I10-02(2.0-2.5) 03/31/06	AREA I FINISHING SB-R-I10-03 SB-R-I10-03(0.5-1.0) 04/03/06	AREA I FINISHING SB-R-I10-03 SB-R-I10-03(4.0-4.5) 04/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	42 U	40 U	37 U	38 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	5.86 U	-	5.24 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	130 UJ	120 UJ	110 UJ	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	130 UJ	120 UJ	110 UJ	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	130 UJ	120 UJ	110 UJ	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I7-01 SB-R-I7-01(0.5-1.0) 04/07/06	AREA I FINISHING SB-R-I7-01 SB-R-I7-01(4.5-5.0) 04/07/06	AREA I FINISHING SB-R-I7-03 SB-R-I7-03(1.0-1.5) 04/11/06	AREA I FINISHING SB-R-I7-03 SB-R-I7-03(4.5-5.0) 04/11/06	AREA I FINISHING SB-R-I7-04 SB-R-I7-04(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-I7-04 SB-R-I7-04(4.5-5.0) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	36 U	45 U	37 U	-	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	130 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	130 U	110 U	-	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	130 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I8-01 SB-R-I8-01(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I8-01 SB-R-I8-01(4.5-5.0) 04/04/06	AREA I FINISHING SB-R-I8-02 SB-R-I8-02(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I8-02 SB-R-I8-02(2.0-2.5) 04/04/06	AREA I FINISHING SB-R-I8-03 SB-R-I8-03(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-I8-03 SB-R-I8-03(4.5-5.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	37 U	40 U	37 U	38 U	36 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	5.17 U	-	5.09 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I8-04 SB-R-I8-04(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-I8-04 SB-R-I8-04(6.0-6.5) 04/06/06	AREA I FINISHING SB-R-I9-01 SB-R-I9-01(2.75-3.25) 04/03/06	AREA I FINISHING SB-R-I9-01 SB-R-I9-01(4.0-4.5) 04/03/06	AREA I FINISHING SB-R-I9-02 SB-R-I9-02(1.0-1.5) 04/03/06	AREA I FINISHING SB-R-I9-02 SB-R-I9-02(4.0-4.5) 04/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	36 U	36 U	39 U	40 U	44 U
METALS	THALLIUM	MG/KG	NS	2	2	-	4.98 U	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 U	120 U	120 U	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	110 U	110 U	120 U	120 U	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	110 U	120 U	120 U	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I9-03 SB-R-I9-03(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I9-03 SB-R-I9-03(2.5-3.0) 04/04/06	AREA I FINISHING SB-R-I9-04 SB-R-I9-04(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I9-04 SB-R-I9-04(4.0-4.5) 04/04/06	AREA I FINISHING SB-R-J10-01 SB-R-J10-01(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-J10-01 SB-R-J10-01(4.0-4.5) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	36 U	38 U	36 U	40 U	36 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	5.04 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 U	110 U	120 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	110 U	110 U	120 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	110 U	110 U	120 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J7-01 SB-R-J7-01(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-01 SB-R-J7-01(5.0-5.5) 04/11/06	AREA I FINISHING SB-R-J7-02 SB-R-J7-02(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-02 SB-R-J7-02(4.5-5.0) 04/11/06	AREA I FINISHING SB-R-J7-03 SB-R-J7-03(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-03 SB-R-J7-03(6.0-6.5) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	36 U	-	38 U	36 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	110 U	120 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	110 U	-	120 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	110 U	120 U	120 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NS = No standard
SB = Soil boring
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J7-04 SB-R-J7-04(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-04 SB-R-J7-04(5.0-5.5) 04/11/06	AREA I FINISHING SB-R-J8-01 SB-R-J8-01(0.75-1.25) 04/04/06	AREA I FINISHING SB-R-J8-01 SB-R-J8-01(4.5-5.0) 04/04/06	AREA I FINISHING SB-R-J8-02 SB-R-J8-02(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-J8-02 SB-R-J8-02(2.0-2.5) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	38 U	38 U	39 U	39 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	120 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	120 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	120 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J8-03 SB-R-J8-03(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-J8-03 SB-R-J8-03(6.0-6.5) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	5.35 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J8-04 SB-R-J8-04(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-J8-04 SB-R-J8-04(4.5-5.0) 04/06/06	AREA I FINISHING SB-R-J9-01 SB-R-J9-01(1.0-1.5) 04/03/06	AREA I FINISHING SB-R-J9-01 SB-R-J9-01(2.0-2.5) 04/03/06	AREA I FINISHING SB-R-J9-02 SB-R-J9-02(0.75-1.25) 04/04/06	AREA I FINISHING SB-R-J9-02 SB-R-J9-02(2.0-2.5) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	36 U	39 U	38 U	40 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	5.54 U	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-K7-02 SB-R-K7-02(1.0-1.5) 04/11/06	AREA I FINISHING SB-R-K7-02 SB-R-K7-02(4.5-5.0) 04/11/06	AREA I FINISHING TP-R-J7-1-1 TP-R-J7-1-1(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-1 TP-R-J7-1-1(8.5-9.0) 07/28/06	AREA I FINISHING TP-R-J7-1-2 TP-R-J7-1-2(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-2 TP-R-J7-1-2(10.5-11.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	36 U	37 U	37 U	38 U	36 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-3 TP-R-J7-1-3(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-3 TP-R-J7-1-3(9.5-10.0) 07/28/06	AREA I FINISHING TP-R-J7-1-4 TP-R-J7-1-4(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-4 TP-R-J7-1-4(9.5-10.0) 07/28/06	AREA I FINISHING TP-R-J7-1-5 TP-R-J7-1-5(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-5 TP-R-J7-1-5(7.0-7.5) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	38 U	37 U	36 U	37 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-6 TP-R-J7-1-6(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-6 TP-R-J7-1-6(7.5-8.0) 07/28/06	AREA I FINISHING TP-R-J7-1-7 TP-R-J7-1-7(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-7 TP-R-J7-1-7(8.5-9.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	37 U	37 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NA = Not analyzed
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-I5-03 SB-R-I5-03(0.5-1.0) 07/05/06	AREA I MISCELLANEOUS/OFFSITE SB-R-I5-04 SB-R-I5-04(0.5-1.0) 07/05/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J12-03 SB-R-J12-03(0.5-1.0) 06/26/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J13-01 SB-R-J13-01(0-0.25) 06/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	40 U	38 U	74 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	2.89 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	120 UJ	110 U	220 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	120 UJ	110 U	220 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	120 UJ	110 U	220 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-J5-02 SB-R-J5-02(1.0-1.5) 04/24/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J5-02 SB-R-J5-02(4.0-4.5) 04/24/06	AREA I MISCELLANEOUS/OFFSITE SB-R-K12-01 SB-R-K12-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-K12-02 SB-R-K12-02(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	1000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	38 U	41 U	68 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	2.62 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	120 U	200 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 UJ	120 U	200 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	120 U	200 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-L11-04 SB-R-L11-04(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-L12-01 SB-R-L12-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-L4-01 SB-R-L4-01(0.5-1.0) 06/29/06	AREA I MISCELLANEOUS/OFFSITE SB-R-M11-01 SB-R-M11-01(1.0-1.5) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	40 U	37 U	41 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-M4-01 SB-R-M4-01(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-M4-02 SB-R-M4-02(0.5-1.0) 06/29/06	AREA I MISCELLANEOUS/OFFSITE SB-R-N10-01 SB-R-N10-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-N4-03 SB-R-N4-03(0.5-1.0) 06/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	39 U	51 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	150 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	150 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	150 U	110 U

Notes:
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-09-02 SB-R-09-02(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-09-03 SB-R-09-03(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-P7-04 SB-R-P7-04(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-P8-01 SB-R-P8-01(0.5-1.0) 06/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	44 U	51 U	41 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	150 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	150 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	150 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-Q7-03 SB-R-Q7-03(0.5-1.0) 06/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U
METALS	THALLIUM	MG/KG	NS	2	2	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U

Notes:
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VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-I11-02 SB-R-I11-02(0.83-1.33) 03/31/06	AREA I STORAGE SB-R-I11-02 SB-R-I11-02(2.0-2.5) 03/31/06	AREA I STORAGE SB-R-J10-02 SB-R-J10-02(1.5-2.0) 03/31/06	AREA I STORAGE SB-R-J10-02 SB-R-J10-02(2.17-2.67) 03/31/06	AREA I STORAGE SB-R-J10-03 SB-R-J10-03(2.25-2.75) 04/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	44 U	43 U	38 U	41 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	6.13 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	130 UJ	110 UJ	120 UJ	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	130 UJ	110 UJ	120 UJ	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	130 UJ	110 UJ	120 UJ	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J10-03 TP-R-J10-03(6.5-7.0) 07/31/06	AREA I STORAGE SB-R-J10-04 SB-R-J10-04(1.0-1.5) 04/12/06	AREA I STORAGE SB-R-J10-04 SB-R-J10-04(4.5-5.0) 04/12/06	AREA I STORAGE SB-R-J11-04 SB-R-J11-04(1.0-1.5) 03/31/06	AREA I STORAGE SB-R-J11-04 SB-R-J11-04(4.92-5.42) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	34 U	38 U	39 U	39 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 UJ	110 U	120 U	120 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	100 UJ	110 U	120 U	120 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	100 UJ	110 U	120 U	120 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J9-03 SB-R-J9-03(0.5-1.0) 04/04/06	AREA I STORAGE SB-R-J9-03 SB-R-J9-03(5.0-5.5) 04/04/06	AREA I STORAGE SB-R-J9-04 SB-R-J9-04(0.5-1.0) 04/04/06	AREA I STORAGE SB-R-J9-04 TP-R-J9-04(4.5-5.0) 07/31/06	AREA I STORAGE SB-R-K10-03 SB-R-K10-03(0.75-1.25) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	40 U	35 U	43 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	100 UJ	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	100 UJ	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	100 UJ	130 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K10-03 TP-R-K10-03(4.75-5.25) 07/28/06	AREA I STORAGE SB-R-K7-04 SB-R-K7-04(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-K7-04 TP-R-K7-04(5.5-6.0) 07/25/06	AREA I STORAGE SB-R-K8-01 SB-R-K8-01(1.75-2.25) 04/05/06	AREA I STORAGE SB-R-K8-01 SB-R-K8-01(4.0-4.5) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	36 U	38 UJ	37 U	35 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 UJ	110 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 UJ	110 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 UJ	110 U	100 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	40 U	40 U	35 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	120 U	110 U	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	120 U	110 U	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	120 U	110 U	120 UJ

Notes:
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Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	41 U	40 U	42 U	35 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	120 U	120 U	130 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	120 U	120 U	130 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	120 U	120 U	130 U	100 U

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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K9-04 SB-R-K9-04(0.5-1.0) 04/05/06	AREA I STORAGE SB-R-K9-04 TP-R-K9-04(5.0-5.5) 07/28/06	AREA I STORAGE SB-R-L7-01 SB-R-L7-01(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-L7-01 SB-R-L7-01(2.0-2.5) 04/13/06	AREA I STORAGE SB-R-L7-03 SB-R-L7-03(0.5-1.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	36 U	39 U	37 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L7-03 SB-R-L7-03(4.0-4.5) 04/13/06	AREA I STORAGE SB-R-L7-04 SB-R-L7-04(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-L7-04 SB-R-L7-04(1.5-2.0) 04/13/06	AREA I STORAGE SB-R-L8-01 SB-R-L8-01(0.5-1.0) 03/30/06	AREA I STORAGE SB-R-L8-01 SB-R-L8-01(1.0-1.5) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	41 U	38 U	39 U	35 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	5.66 U	4.9 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	120 UJ	100 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	120 UJ	100 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	120 UJ	100 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-02 SB-R-L8-02(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-L8-02 SB-R-L8-02(4.5-5.0) 04/06/06	AREA I STORAGE SB-R-L8-03 SB-R-L8-03(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-L8-03 SB-R-L8-03(4.0-4.5) 04/06/06	AREA I STORAGE SB-R-L8-04 SB-R-L8-04(0.5-1.0) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	36 U	40 U	38 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-04 SB-R-L8-04(6.5-7.0) 04/12/06	AREA I STORAGE SB-R-L9-02 SB-R-L9-02(0.5-1.0) 03/30/06	AREA I STORAGE SB-R-L9-02 SB-R-L9-02(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-M7-01 SB-R-M7-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-M7-01 TP-R-M7-01(7.0-7.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	39 U	38 U	39 U	43 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 UJ	110 UJ	120 U	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 UJ	110 UJ	120 U	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 UJ	110 UJ	120 U	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M7-02 SB-R-M7-02(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-M7-02 SB-R-M7-02(4.5-5.0) 04/17/06	AREA I STORAGE SB-R-M7-03 SB-R-M7-03(0.75-1.25) 04/27/06	AREA I STORAGE SB-R-M7-03 SB-R-M7-03(6.0-6.5) 04/27/06	AREA I STORAGE SB-R-M8-01 SB-R-M8-01(0.5-1.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	44 U	-	39 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	130 U	130 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	130 U	130 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	130 U	130 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M8-01 SB-R-M8-01(4.5-5.0) 04/06/06	AREA I STORAGE SB-R-N4-01 SB-R-N4-01(1.5-2.0) 05/02/06	AREA I STORAGE SB-R-N4-01 SB-R-N4-01(6.0-6.5) 05/02/06	AREA I STORAGE SB-R-N4-02 SB-R-N4-02(4.0-4.5) 05/02/06	AREA I STORAGE SB-R-N4-02 TP-R-N4-02(0.5-1.0) 08/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	2600 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	1300 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	40 U	39 U	39 U	160 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	6.21 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	120 U	470 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	120 U	470 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	120 U	470 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area			AREA I STORAGE SB-R-N5-02 SB-R-N5-02(0.5-1.0) 05/02/06	AREA I STORAGE SB-R-N5-02 SB-R-N5-02(6.0-6.5) 05/02/06	AREA I STORAGE SB-R-N6-01 SB-R-N6-01(0.5-1.0) 04/27/06	AREA I STORAGE SB-R-N6-01 SB-R-N6-01(4.0-4.5) 04/27/06	AREA I STORAGE SB-R-N6-02 TP-R-N6-02(1.0-1.5) 08/03/06	AREA I STORAGE SB-R-N6-02 TP-R-N6-02(6.0-6.5) 08/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	56 U	36 U	39 U	38 U	37 U	36 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	5.26 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	140 U	110 U	120 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	140 U	110 U	120 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 U	110 U	120 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NA = Not analyzed
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area			AREA I STORAGE SB-R-N7-01 SB-R-N7-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-N7-01 SB-R-N7-01(4.0-4.5) 04/17/06	AREA I STORAGE SB-R-N7-02 SB-R-N7-02(1.0-1.5) 04/27/06	AREA I STORAGE SB-R-N7-02 SB-R-N7-02(6.5-7.0) 04/27/06	AREA I STORAGE SB-R-N7-03 SB-R-N7-03(1.0-1.5) 04/27/06	AREA I STORAGE SB-R-N7-03 TP-R-N7-03(7.0-7.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	39 U	42 U	39 U	40 U	41 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	5.71 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	130 U	120 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	130 U	120 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	130 U	120 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA I STORAGE	AREA I STORAGE	AREA I STORAGE	AREA I STORAGE	AREA I STORAGE	AREA I STORAGE
			Location ID			SB-R-O5-01	SB-R-O5-01	SB-R-O5-02	SB-R-O5-02	SB-R-O5-03	SB-R-O5-03
			Field Sample ID			SB-R-O5-01(0.5-1.0)	SB-R-O5-01(5.5-6.0)	SB-R-O5-02(1.0-1.5)	SB-R-O5-02(5.5-6.0)	SB-R-O5-03(0.5-1.0)	SB-R-O5-03(2.0-2.5)
			Sample Date			04/26/06	04/26/06	04/26/06	04/26/06	04/27/06	04/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	37 U	40 U	38 U	37 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	4.75 U	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area			AREA I STORAGE SB-R-O5-04 SB-R-O5-04(0.5-1.0) 05/02/06	AREA I STORAGE SB-R-O5-04 SB-R-O5-04(4.0-4.5) 05/02/06	AREA I STORAGE SB-R-O6-01 SB-R-O6-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-O6-01 SB-R-O6-01(2.0-2.5) 04/18/06	AREA I STORAGE SB-R-O6-02 SB-R-O6-02(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-O6-02 SB-R-O6-02(4.0-4.5) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	46 U	39 U	39 U	40 U	40 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	4.84 U	4.62 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	140 U	120 U	120 U	120 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	140 U	120 U	120 U	120 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 U	120 U	120 U	120 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA I STORAGE SB-R-O7-01 SB-R-O7-01(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-O7-01 SB-R-O7-01(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-O7-02 SB-R-O7-02(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-O7-02 SB-R-O7-02(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-O7-03 SB-R-O7-03(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-O7-03 SB-R-O7-03(4.0-4.5) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	39 U	38 U	37 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA I STORAGE SB-R-O7-04 SB-R-O7-04(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-O7-04 SB-R-O7-04(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-O8-01 SB-R-O8-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-O8-01 SB-R-O8-01(4.0-4.5) 04/17/06	AREA I STORAGE SB-R-P5-01 SB-R-P5-01(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-P5-01 SB-R-P5-01(4.0-4.5) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	43 U	40 U	38 U	39 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	120 U	110 U	120 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	130 U	120 U	110 U	120 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	120 U	110 U	120 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA I STORAGE SB-R-P5-02 SB-R-P5-02(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-02 SB-R-P5-02(4.0-4.5) 04/26/06	AREA I STORAGE SB-R-P5-03 SB-R-P5-03(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-03 SB-R-P5-03(2.0-2.5) 04/26/06	AREA I STORAGE SB-R-P5-04 SB-R-P5-04(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-04 SB-R-P5-04(2.0-2.5) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	37 U	40 U	38 U	40 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	4.62 U	-	4.75 U	-	4.64 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA I STORAGE SB-R-P6-01 SB-R-P6-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P6-01 SB-R-P6-01(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P6-02 SB-R-P6-02(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-P6-02 SB-R-P6-02(2.0-2.5) 04/18/06	AREA I STORAGE SB-R-P6-03 SB-R-P6-03(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-P6-03 SB-R-P6-03(2.0-2.5) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	35 U	37 U	43 U	43 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	100 U	110 U	130 U	130 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	100 U	110 U	130 U	130 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	100 U	110 U	130 U	130 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA I STORAGE SB-R-P6-04 SB-R-P6-04(0.67-1.17) 05/01/06	AREA I STORAGE SB-R-P6-04 SB-R-P6-04(2.5-3.0) 05/01/06	AREA I STORAGE SB-R-P7-01 SB-R-P7-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P7-01 SB-R-P7-01(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-P7-01 TP-R-P7-01(6.5-7.0) 08/04/06	AREA I STORAGE SB-R-P7-02 SB-R-P7-02(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	NA	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	NA	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	36 U	38 U	37 U	37 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	10.8 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 U	110 U	NA	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	110 U	110 U	NA	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	110 U	110 U	NA	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA I STORAGE SB-R-P7-02 SB-R-P7-02(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-Q5-01 SB-R-Q5-01(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-Q5-01 SB-R-Q5-01(2.0-2.5) 04/26/06	AREA I STORAGE SB-R-Q6-01 SB-R-Q6-01(0.5-1.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	39 U	37 U	37 U	38 U	41 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	4.62 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	110 U	110 U	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	110 U	110 U	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	110 U	110 U	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q6-01 SB-R-Q6-01(4.0-4.5) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q6-02 SB-R-Q6-02(0.5-1.0) 04/24/06	AREA I STORAGE SB-R-Q6-02 SB-R-Q6-02(2.0-2.5) 04/24/06	AREA I STORAGE SB-R-Q6-03 SB-R-Q6-03(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-Q6-03 SB-R-Q6-03(1.5-2.0) 05/01/06	AREA I STORAGE SB-R-Q6-04 SB-R-Q6-04(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-Q6-04 SB-R-Q6-04(4.0-4.5) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	37 U	40 U	39 U	37 U	35 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	120 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	120 U	120 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	120 U	120 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q7-01 SB-R-Q7-01(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-Q7-01 SB-R-Q7-01(5.5-6.0) 04/25/06	AREA I STORAGE SB-R-Q7-02 SB-R-Q7-02(0.5-1.0) 06/28/06	AREA I STORAGE SB-R-R6-01 SB-R-R6-01(1.0-1.5) 04/25/06	AREA I STORAGE SB-R-R6-01 SB-R-R6-01(2.0-2.5) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	40 U	42 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	120 U	130 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 UJ	120 U	130 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	120 U	130 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R6-02 SB-R-R6-02(0.5-1.0) 04/24/06	AREA I STORAGE SB-R-R6-02 SB-R-R6-02(4.0-4.5) 04/24/06	AREA I STORAGE SB-R-R6-03 SB-R-R6-03(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-R6-03 SB-R-R6-03(1.5-2.0) 05/01/06	AREA I STORAGE SB-R-R7-01 SB-R-R7-01(0.5-1.0) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	36 U	42 U	39 U	180 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	130 U	120 U	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	130 U	120 U	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	130 U	120 U	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R7-01 TP-R-R7-01(4.5-5.0) 08/04/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(2.0-2.5) 04/24/06	AREA I STORAGE SB-R-S7-01 SB-R-S7-01(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-S7-01 SB-R-S7-01(1.5-2.0) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	40 U	43 U	42 U	41 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 UJ	130 UJ	130 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 UJ	130 UJ	130 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 UJ	130 UJ	130 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(10.5-11.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	39 U	-	36 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 UJ	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	120 UJ	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 UJ	110 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-3 TP-R-J10-2166-3(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-3 TP-R-J10-2166-3(11.5-12.0) 07/31/06	AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(4.0-4.5) 07/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	37 U	35 U	34 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	100 UJ	100 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	100 UJ	100 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	100 UJ	100 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(7.5-8.0) 07/17/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(4.0-4.5) 07/19/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(9.5-10.0) 07/19/06	AREA I STORAGE TP-R-N6-1-12 TP-R-N6-1-12(1.5-2.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	40 U	42 U	38 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 UJ	130 UJ	120 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	120 UJ	130 UJ	120 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 UJ	130 UJ	120 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-12 TP-R-N6-1-12(8.5-9.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(5.0-5.5) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(6.5-7.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(9.5-10.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	1000 U	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	300 U	39 U	35 U	35 U
METALS	THALLIUM	MG/KG	NS	2	2	-	2.3 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	180 UJ	120 UJ	100 UJ	100 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	180 UJ	120 UJ	100 UJ	100 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	180 UJ	120 UJ	100 UJ	100 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-14 TP-R-N6-1-14(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-14 TP-R-N6-1-14(11.0-11.5) 07/19/06	AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(10.0-10.5) 07/19/06	AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	36 U	200 U	36 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	120 UJ	110 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 UJ	120 UJ	110 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	120 UJ	110 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(9.5-10.0) 07/18/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(13.0-13.5) 07/19/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(18.0-18.5) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(1.5-2.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	38 U	38 U	37 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	110 UJ	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	110 UJ	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	110 UJ	220 UJ	110 UJ

Notes:
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VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(16.0-16.5) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(8.5-9.0) 07/19/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(3.0-3.5) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(9.0-9.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	45 U	36 U	48 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	140 UJ	110 UJ	140 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	140 UJ	110 UJ	140 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	140 UJ	110 UJ	140 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(13.5-14.0) 07/17/06	AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(7.5-8.0) 07/17/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(10.0-10.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	36 U	36 U	35 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	110 UJ	110 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	110 UJ	110 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	110 UJ	110 UJ	120 UJ

Notes:
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VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(19.5-20.0) 07/20/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(9.5-10.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	42 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	130 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	130 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	130 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(14.5-15.0) 07/20/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(5.5-6.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	35 U	39 U	36 U	42 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	100 UJ	120 UJ	110 UJ	130 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	100 UJ	120 UJ	110 UJ	130 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	100 UJ	120 UJ	110 UJ	130 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(8.5-9.0) 07/18/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(13.5-14.0) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(2.0-2.5) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(1.5-2.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	40 U	41 U	45 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 UJ	120 UJ	140 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	120 UJ	120 UJ	140 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 UJ	120 UJ	140 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(11.5-12.0) 07/20/06	AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(20.5-21.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(16.5-17.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(5.5-6.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	46 U	41 U	38 U	41 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	140 UJ	120 UJ	110 UJ	120 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	140 UJ	120 UJ	110 UJ	120 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 UJ	120 UJ	110 UJ	120 UJ	120 UJ

Notes:
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(11.5-12.0) 07/21/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(5.5-6.0) 07/21/06	AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(7.0-7.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	1200 UJ	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	37 U	81 UJ	40 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	7.13 U	3.13 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	240 U	120 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	240 U	120 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	240 U	120 UJ	120 UJ

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(15.5-16.0) 07/21/06	AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(6.5-7.0) 07/21/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(3.0-3.5) 07/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	38 U	44 U	38 U	50 U
METALS	THALLIUM	MG/KG	NS	2	2	-	7.4 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	130 U	110 UJ	150 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	130 U	110 UJ	150 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	130 U	110 UJ	150 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(8.0-8.5) 07/17/06	AREA I STORAGE TP-R-N6-1-30 TP-R-N6-1-30(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-30 TP-R-N6-1-30(13.5-14.0) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(14.0-14.5) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	44 U	37 U	36 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	130 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	130 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	130 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(5.5-6.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(14.5-15.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(7.0-7.5) 07/21/06	AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	39 U	38 U	51 U	44 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	110 U	150 U	130 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	110 U	150 U	130 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	110 U	150 U	130 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NS = No standard
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(13.5-14.0) 07/24/06	AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(6.5-7.0) 07/24/06	AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	42 U	38 U	37 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 UJ	110 UJ	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 UJ	110 UJ	110 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(11.5-12.0) 07/24/06	AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(12.5-13.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	38 U	43 U	39 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	130 UJ	120 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	130 UJ	120 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	37 U	37 U	36 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	110 UJ	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	110 UJ	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	110 UJ	110 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(10.5-11.0) 07/18/06	AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(8.0-8.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	38 U	36 U	35 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	110 UJ	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	110 UJ	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	110 UJ	110 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(4.0-4.5) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(8.0-8.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	42 U	35 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	130 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	130 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	130 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-B13-01 SB-R-B13-01(0.5-1.0) 05/18/06	AREA II DYNAMITE SB-R-B13-01 SB-R-B13-01(2.0-2.5) 05/18/06	AREA II DYNAMITE SB-R-B13-03 SB-R-B13-03(0.5-1.0) 05/19/06	AREA II DYNAMITE SB-R-B13-03 SB-R-B13-03(2.0-2.5) 05/19/06	AREA II DYNAMITE SB-R-B14-01 SB-R-B14-01(0.83-1.33) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	39 U	37 U	40 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-B14-01 SB-R-B14-01(4.0-4.5) 05/18/06	AREA II DYNAMITE SB-R-B14-04 SB-R-B14-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-B14-04 SB-R-B14-04(4.0-4.5) 06/06/06	AREA II DYNAMITE SB-R-C12-01 SB-R-C12-01(0.5-1.0) 05/31/06	AREA II DYNAMITE SB-R-C12-01 SB-R-C12-01(4.5-5.0) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	40 U	38 U	36 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	110 UJ	110 UJ

Notes:
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VOCS = Volatile organic constituents
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(4.0-4.5) 06/06/06	AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(0.83-1.33) 05/18/06	AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(4.25-4.75) 05/18/06	AREA II DYNAMITE SB-R-C13-02 SB-R-C13-02(0.5-1.0) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	38 U	37 U	53 U	42 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	110 U	160 U	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	110 U	160 U	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	110 U	160 U	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-02 SB-R-C13-02(2.5-3.0) 05/19/06	AREA II DYNAMITE SB-R-C13-03 SB-R-C13-03(0.5-1.0) 05/31/06	AREA II DYNAMITE SB-R-C13-03 SB-R-C13-03(5.0-5.5) 05/31/06	AREA II DYNAMITE SB-R-C13-04 SB-R-C13-04(0.5-1.0) 06/02/06	AREA II DYNAMITE SB-R-C13-04 SB-R-C13-04(4.5-5.0) 06/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	39 U	37 U	38 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 UJ	110 UJ	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 UJ	110 UJ	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 UJ	110 UJ	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C14-01 SB-R-C14-01(0.5-1.0) 05/18/06	AREA II DYNAMITE SB-R-C14-01 SB-R-C14-01(2.0-2.5) 05/18/06	AREA II DYNAMITE SB-R-C14-02 SB-R-C14-02(0.75-1.25) 05/18/06	AREA II DYNAMITE SB-R-C14-02 SB-R-C14-02(4.0-4.5) 05/18/06	AREA II DYNAMITE SB-R-C14-03 SB-R-C14-03(0.58-1.08) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	35 U	40 U	36 U	41 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	110 U	120 U

Notes:
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C14-03 SB-R-C14-03(4.0-4.5) 06/06/06	AREA II DYNAMITE SB-R-C14-04 SB-R-C14-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-C14-04 SB-R-C14-04(2.0-2.5) 06/06/06	AREA II DYNAMITE SB-R-D12-01 SB-R-D12-01(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-D12-01 SB-R-D12-01(6.5-7.0) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	40 U	37 U	40 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	110 U	120 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	110 U	120 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	110 U	120 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(2.5-3.0) 06/06/06	AREA II DYNAMITE SB-R-D12-03 SB-R-D12-03(0.75-1.25) 06/12/06	AREA II DYNAMITE SB-R-D12-03 SB-R-D12-03(5.5-6.0) 06/12/06	AREA II DYNAMITE SB-R-D13-01 SB-R-D13-01(0.5-1.0) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	48 U	42 U	40 U	48 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	140 U	130 U	120 U	140 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	140 U	130 U	120 U	140 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	140 U	130 U	120 U	140 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D13-01 TP-R-D13-01(4.5-5.0) 08/08/06	AREA II DYNAMITE SB-R-D13-02 SB-R-D13-02(1.33-1.83) 06/12/06	AREA II DYNAMITE SB-R-D13-02 SB-R-D13-02(4.42-4.92) 06/12/06	AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(1.5-2.0) 08/08/06	AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(4.5-5.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	39 U	38 U	-	42 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	-	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	-	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D14-02 SB-R-D14-02(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-D14-02 SB-R-D14-02(2.0-2.5) 06/06/06	AREA II DYNAMITE SB-R-D14-03 SB-R-D14-03(0.5-1.0) 07/06/06	AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(1.25-1.75) 05/08/06	AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(5.0-5.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	3500 UJ	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	1800 UJ	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	37 U	230 U	190 U	40 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	8.93 U	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	680 UJ	110 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	680 UJ	110 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	680 UJ	110 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E11-01 SB-R-E11-01(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-E11-01 SB-R-E11-01(2.5-3.0) 05/17/06	AREA II DYNAMITE SB-R-E11-02 SB-R-E11-02(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-E11-02 SB-R-E11-02(2.25-2.75) 05/17/06	AREA II DYNAMITE SB-R-E11-04 SB-R-E11-04(0.5-1.0) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	39 U	44 U	39 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	120 U	130 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	120 U	130 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	120 U	130 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E11-04 SB-R-E11-04(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-E12-01 SB-R-E12-01(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E12-01 SB-R-E12-01(3.0-3.5) 05/26/06	AREA II DYNAMITE SB-R-E12-02 SB-R-E12-02(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E12-02 SB-R-E12-02(2.0-2.5) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	43 U	38 U	44 U	40 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	120 U	130 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	130 U	120 U	130 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	120 U	130 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E12-03 SB-R-E12-03(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-E12-03 SB-R-E12-03(3.0-3.5) 05/30/06	AREA II DYNAMITE SB-R-E12-04 SB-R-E12-04(0.5-1.0) 06/08/06	AREA II DYNAMITE SB-R-E12-04 SB-R-E12-04(2.0-2.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	44 U	37 U	42 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	110 UJ	130 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	110 UJ	130 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	110 UJ	130 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E13-01 SB-R-E13-01(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E13-01 SB-R-E13-01(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(5.0-5.5) 05/30/06	AREA II DYNAMITE SB-R-E13-03 SB-R-E13-03(0.5-1.0) 06/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	39 U	39 U	39 U	50 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	120 UJ	120 UJ	150 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	120 UJ	120 UJ	150 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	120 UJ	120 UJ	150 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E13-03 SB-R-E13-03(5.0-5.5) 06/02/06	AREA II DYNAMITE SB-R-E13-04 SB-R-E13-04(1.0-1.5) 06/08/06	AREA II DYNAMITE SB-R-E13-04 SB-R-E13-04(2.0-2.5) 06/08/06	AREA II DYNAMITE SB-R-E14-01 SB-R-E14-01(1.0-1.5) 06/05/06	AREA II DYNAMITE SB-R-E14-01 SB-R-E14-01(2.17-2.67) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	39 U	39 U	42 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	120 U	120 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	120 U	120 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	120 U	120 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E14-02 SB-R-E14-02(0.5-1.0) 07/06/06	AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(5.25-5.75) 05/17/06	AREA II DYNAMITE SB-R-F12-01 SB-R-F12-01(1.0-1.5) 05/16/06	AREA II DYNAMITE SB-R-F12-01 SB-R-F12-01(2.5-3.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3800 UJ	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1900 UJ	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	250 U	45 U	39 U	38 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	9.8 U	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	750 UJ	130 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	750 UJ	130 U	120 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	750 UJ	130 U	120 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-F12-02 SB-R-F12-02(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-F12-02 SB-R-F12-02(2.0-2.5) 05/17/06	AREA II DYNAMITE SB-R-F12-03 SB-R-F12-03(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-F12-03 SB-R-F12-03(2.0-2.5) 05/26/06	AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(0.5-1.0) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	38 U	40 U	39 U	45 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	120 U	130 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	120 U	130 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	120 U	130 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(2.5-3.0) 05/30/06	AREA II DYNAMITE SB-R-F13-01 SB-R-F13-01(1.5-2.0) 05/17/06	AREA II DYNAMITE SB-R-F13-01 SB-R-F13-01(4.0-4.5) 05/17/06	AREA II DYNAMITE SB-R-F13-02 SB-R-F13-02(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-F13-02 SB-R-F13-02(4.5-5.0) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	45 U	42 U	38 U	43 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	130 U	110 UJ	130 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	130 U	110 UJ	130 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	130 U	110 UJ	130 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-F13-03 SB-R-F13-03(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-F13-03 SB-R-F13-03(4.5-5.0) 05/30/06	AREA II DYNAMITE SB-R-F13-04 SB-R-F13-04(0.5-1.0) 06/08/06	AREA II DYNAMITE SB-R-F13-04 SB-R-F13-04(2.5-3.0) 06/08/06	AREA II DYNAMITE SB-R-F14-01 SB-R-F14-01(0.5-1.0) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	43 U	38 U	45 U	38 U	46 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	110 UJ	140 U	110 U	140 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	110 UJ	140 U	110 U	140 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	110 UJ	140 U	110 U	140 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-F14-01 SB-R-F14-01(2.0-2.5) 06/05/06	AREA II DYNAMITE SB-R-F14-02 SB-R-F14-02(0.5-1.0) 06/07/06	AREA II DYNAMITE SB-R-F14-02 SB-R-F14-02(2.0-2.5) 06/07/06	AREA II DYNAMITE SB-R-G12-04 SB-R-G12-04(0.5-1.0) 05/16/06	AREA II DYNAMITE SB-R-G12-04 SB-R-G12-04(2.5-3.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	-
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	39 U	38 U	39 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-G13-01 SB-R-G13-01(0.5-1.0) 05/16/06	AREA II DYNAMITE SB-R-G13-01 SB-R-G13-01(5.5-6.0) 05/16/06	AREA II DYNAMITE SB-R-G14-02 SB-R-G14-02(0.75-1.25) 06/07/06	AREA II DYNAMITE SB-R-G14-02 SB-R-G14-02(2.0-2.5) 06/07/06	AREA II DYNAMITE TP-R-C13-666-1 TP-R-C13-666-1(6.5-7.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	38 U	43 U	38 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	130 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	130 U	110 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	130 U	110 U	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(1.0-1.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(6.5-7.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(0.5-1.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(6.5-7.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(0.5-1.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	170000 U	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	42 U	37 U	40 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	8300 U	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	8300 U	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	8300 U	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	8300 U	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	8300 U	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	8300 U	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	8300 U	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 UJ	130 U	110 U	120 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	130 U	110 U	120 U	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(7.0-7.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-5 TP-R-C13-666-5(7.5-8.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-A14-01 SB-R-A14-01(0.5-1.0) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-A14-01 SB-R-A14-01(2.0-2.5) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-02 SB-R-B14-02(0.5-1.0) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-02 SB-R-B14-02(2.0-2.5) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	38 U	42 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(0.5-1.0) 06/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(2.17-2.67) 06/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B15-01 SB-R-B15-01(0.5-1.0) 07/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-01 SB-R-C15-01(0.5-1.0) 06/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	3600 UJ	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	1800 UJ	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	43 U	40 U	240 U	45 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	9.57 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	120 U	720 UJ	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	120 U	720 UJ	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	120 U	720 UJ	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-C15-01 SB-R-C15-01(1.5-2.0) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-02 SB-R-C15-02(0.75-1.25) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-02 SB-R-C15-02(2.0-2.5) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D15-01 SB-R-D15-01(0.5-1.0) 07/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	40 U	38 U	46 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	140 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	140 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	140 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-D9-01 SB-R-D9-01(0.5-1.0) 06/29/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D9-02 SB-R-D9-02(0.5-1.0) 06/29/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D9-03 SB-R-D9-03(0.5-1.0) 07/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-E9-03 SB-R-E9-03(0.5-1.0) 07/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	41 U	44 U	41 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	130 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	130 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	130 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-01 SB-R-F15-01(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-01 SB-R-F15-01(2.0-2.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-02 SB-R-F15-02(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-02 SB-R-F15-02(2.0-2.5) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	39 U	38 U	36 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-03 SB-R-F15-03(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-03 SB-R-F15-03(4.0-4.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-04 SB-R-F15-04(0.5-1.0) 06/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-04 SB-R-F15-04(2.0-2.5) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	37 U	44 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	130 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	130 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	130 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F16-01 SB-R-F16-01(1.17-1.67) 06/07/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F16-01 SB-R-F16-01(2.0-2.5) 06/07/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G14-01 SB-R-G14-01(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G14-01 SB-R-G14-01(2.0-2.5) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	37 U	39 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-G15-01 SB-R-G15-01(0.5-1.0) 06/07/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G15-01 SB-R-G15-01(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	41 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-B11-04 SB-R-B11-04(0.5-1.0) 05/31/06		AREA II NG SB-R-B11-04 SB-R-B11-04(3.5-4.0) 05/31/06		AREA II NG SB-R-C11-01 SB-R-C11-01(0.5-1.0) 05/31/06		AREA II NG SB-R-C11-01 SB-R-C11-01(6.5-7.0) 05/31/06		AREA II NG SB-R-C11-02 SB-R-C11-02(1.0-1.5) 05/31/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U		39 U		40 U		37 U		37 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ		120 UJ		120 UJ		110 UJ		110 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ		120 UJ		120 UJ		110 UJ		110 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ		120 UJ		120 UJ		110 UJ		110 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C11-02 SB-R-C11-02(4.5-5.0) 05/31/06		AREA II NG SB-R-C11-03 SB-R-C11-03(0.5-1.0) 06/01/06		AREA II NG SB-R-C11-03 SB-R-C11-03(4.5-5.0) 06/01/06		AREA II NG SB-R-C11-04 SB-R-C11-04(0.5-1.0) 06/07/06		AREA II NG SB-R-C11-04 SB-R-C11-04(4.0-4.5) 06/07/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U		38 U		39 U		39 U		39 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ		120 U		120 U		120 U		120 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ		120 U		120 U		120 U		120 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ		120 U		120 U		120 U		120 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C12-02 SB-R-C12-02(0.5-1.0) 05/31/06		AREA II NG SB-R-C12-02 SB-R-C12-02(5.5-6.0) 05/31/06		AREA II NG SB-R-C12-03 SB-R-C12-03(1.0-1.5) 06/06/06		AREA II NG SB-R-C12-03 SB-R-C12-03(2.5-3.0) 06/06/06		AREA II NG SB-R-D10-01 SB-R-D10-01(0.5-1.0) 06/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-		37 U		40 U		38 U		35 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ		110 UJ		120 U		110 U		100 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ		110 UJ		120 U		110 U		100 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ		110 UJ		120 U		110 U		100 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-01 SB-R-D10-01(2.5-3.0) 06/01/06		AREA II NG SB-R-D10-02 SB-R-D10-02(1.0-1.5) 06/01/06		AREA II NG SB-R-D10-02 TP-R-D10-02(5.0-5.5) 08/15/06		AREA II NG SB-R-D10-03 SB-R-D10-03(0.5-1.0) 06/01/06		AREA II NG SB-R-D10-03 SB-R-D10-03(5.0-5.5) 06/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U		37 U		36 U		39 U		38 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U		110 U		110 UJ		120 U		110 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U		110 U		110 UJ		120 U		110 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U		110 U		110 UJ		120 U		110 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-04 SB-R-D10-04(0.5-1.0) 06/02/06		AREA II NG SB-R-D10-04 SB-R-D10-04(5.0-5.5) 06/02/06		AREA II NG SB-R-D11-01 SB-R-D11-01(1.0-1.5) 05/31/06		AREA II NG SB-R-D11-01 SB-R-D11-01(6.0-6.5) 05/31/06		AREA II NG SB-R-D11-02 SB-R-D11-02(0.5-1.0) 05/31/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U		39 U		41 U		37 U		38 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U		120 U		120 UJ		110 UJ		110 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U		120 U		120 UJ		110 UJ		110 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U		120 U		120 UJ		110 UJ		110 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D11-02 SB-R-D11-02(6.0-6.5) 05/31/06		AREA II NG SB-R-D11-03 SB-R-D11-03(1.0-1.5) 06/01/06		AREA II NG SB-R-D11-03 SB-R-D11-03(6.0-6.5) 06/01/06		AREA II NG SB-R-D11-04 SB-R-D11-04(0.5-1.0) 06/08/06		AREA II NG SB-R-D11-04 SB-R-D11-04(4.0-4.5) 06/08/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U		41 U		37 U		37 U		39 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ		120 U		110 U		110 U		120 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ		120 U		110 U		110 U		120 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ		120 U		110 U		110 U		120 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-E10-02 SB-R-E10-02(0.5-1.0) 06/01/06		AREA II NG SB-R-E10-02 SB-R-E10-02(6.0-6.5) 06/01/06		AREA II NG SB-R-E10-03 SB-R-E10-03(0.5-1.0) 06/02/06		AREA II NG SB-R-E10-03 SB-R-E10-03(5.0-5.5) 06/02/06		AREA II NG SB-R-E11-03 SB-R-E11-03(0.5-1.0) 05/17/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U		38 U		37 U		35 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U		110 U		110 U		110 U		130 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U		110 U		110 U		110 U		130 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U		110 U		110 U		110 U		130 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-E11-03 SB-R-E11-03(4.67-5.17) 05/17/06		AREA II NG TP-R-C11-8572C-1 TP-R-C11-8572C-1(0.5-1.0) 08/15/06		AREA II NG TP-R-C11-8572C-1 TP-R-C11-8572C-1(8.5-9.0) 08/15/06		AREA II NG TP-R-C11-8572D-1 TP-R-C11-8572D-1(0.5-1.0) 08/15/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	43 U		35 U		38 U		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U		100 UJ		120 UJ		110 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U		100 UJ		120 UJ		110 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U		100 UJ		120 UJ		110 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-C11-8572D-1 TP-R-C11-8572D-1(9.0-9.5) 08/15/06	AREA II NG TP-R-D11-2031-1 TP-R-D11-2031-1(0.5-1.0) 08/15/06	AREA II NG TP-R-D11-2031-1 TP-R-D11-2031-1(6.5-7.0) 08/15/06	AREA II NG TP-R-D11-2031-3 TP-R-D11-2031-3(8.0-8.5) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	46 U	35 U	41 U	43 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	140 UJ	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	140 UJ	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 UJ	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II PETN SB-R-C10-02 SB-R-C10-02(0.5-1.0) 06/01/06		AREA II PETN SB-R-C10-02 SB-R-C10-02(5.5-6.0) 06/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U		39 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U		120 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U		120 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U		120 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT B10-503-07 TP-R-B10-503-07(11.5-12.0) 08/11/06	AREA II TNT B11-663-06 TP-R-B11-663-06(8.0-8.5) 08/10/06	AREA II TNT SB-R-A11-01 SB-R-A11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-A11-01 TP-R-A11-01(4.5-5.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	38 U	35 U	34 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	100 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	-	100 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	-	100 U	100 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A11-02 SB-R-A11-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-A11-02 SB-R-A11-02(2.5-3.0) 05/25/06	AREA II TNT SB-R-A12-01 SB-R-A12-01(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-01 SB-R-A12-01(4.0-4.5) 05/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	39 U	37 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	110 UJ	110 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A12-02 SB-R-A12-02(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-02 SB-R-A12-02(4.0-4.5) 05/24/06	AREA II TNT SB-R-A12-03 SB-R-A12-03(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-03 SB-R-A12-03(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	35 U	36 U	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	110 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	110 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	110 U	100 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A12-04 SB-R-A12-04(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-04 SB-R-A12-04(4.5-5.0) 05/24/06	AREA II TNT SB-R-A13-01 SB-R-A13-01(1.0-1.5) 05/19/06	AREA II TNT SB-R-A13-01 SB-R-A13-01(4.0-4.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	36 U	39 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	110 UJ	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	110 UJ	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 UJ	120 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A13-02 SB-R-A13-02(0.5-1.0) 05/19/06	AREA II TNT SB-R-A13-02 SB-R-A13-02(2.0-2.5) 05/19/06	AREA II TNT SB-R-A13-03 SB-R-A13-03(0.5-1.0) 05/19/06	AREA II TNT SB-R-A13-03 SB-R-A13-03(4.0-4.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	38 U	38 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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SB = Soil boring
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A13-04 SB-R-A13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-A13-04 SB-R-A13-04(5.0-5.5) 05/23/06	AREA II TNT SB-R-B10-01 SB-R-B10-01(0.5-1.0) 05/25/06	AREA II TNT SB-R-B10-01 SB-R-B10-01(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	37 U	39 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B10-02 SB-R-B10-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B10-02 SB-R-B10-02(5.0-5.5) 05/25/06	AREA II TNT SB-R-B10-03 SB-R-B10-03(0.5-1.0) 06/13/06	AREA II TNT SB-R-B10-03 SB-R-B10-03(4.0-4.5) 06/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	38 U	40 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	110 U	120 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B11-01 SB-R-B11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B11-01 SB-R-B11-01(4.0-4.5) 05/23/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(6.0-6.5) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	37 U	-	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	-	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	-	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B11-03 SB-R-B11-03(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-03 SB-R-B11-03(4.5-5.0) 05/25/06	AREA II TNT SB-R-B12-01 SB-R-B12-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B12-01 SB-R-B12-01(4.0-4.5) 05/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	43 U	36 U	35 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	110 U	110 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B12-02 SB-R-B12-02(0.5-1.0) 05/23/06	AREA II TNT SB-R-B12-02 SB-R-B12-02(2.5-3.0) 05/23/06	AREA II TNT SB-R-B12-03 SB-R-B12-03(0.5-1.0) 05/24/06	AREA II TNT SB-R-B12-03 SB-R-B12-03(2.5-3.0) 05/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	37 U	39 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 UJ	110 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B12-04 SB-R-B12-04(0.5-1.0) 05/24/06	AREA II TNT SB-R-B12-04 SB-R-B12-04(4.0-4.5) 05/24/06	AREA II TNT SB-R-B13-02 SB-R-B13-02(1.17-1.67) 05/18/06	AREA II TNT SB-R-B13-02 SB-R-B13-02(4.0-4.5) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	38 U	38 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 UJ	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	110 U	110 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NA = Not analyzed
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SB = Soil boring
TP = Test pit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B13-04 SB-R-B13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-B13-04 SB-R-B13-04(2.5-3.0) 05/23/06	AREA II TNT SB-R-C10-01 SB-R-C10-01(0.5-1.0) 05/25/06	AREA II TNT SB-R-C10-01 SB-R-C10-01(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	37 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	-	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	110 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NA = Not analyzed
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SB = Soil boring
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C10-03 SB-R-C10-03(0.5-1.0) 06/07/06	AREA II TNT SB-R-C10-03 SB-R-C10-03(2.33-2.83) 06/07/06	AREA II TNT SB-R-C10-04 SB-R-C10-04(0.5-1.0) 06/12/06	AREA II TNT SB-R-C10-04 SB-R-C10-04(2.0-2.5) 06/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	40 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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TP = Test pit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-01 SB-R-C9-01(0.5-1.0) 05/16/06	AREA II TNT SB-R-C9-01 SB-R-C9-01(2.0-2.5) 05/16/06	AREA II TNT SB-R-C9-02 SB-R-C9-02(0.5-1.0) 05/16/06	AREA II TNT SB-R-C9-02 SB-R-C9-02(2.5-3.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	41 U	40 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-03 SB-R-C9-03(0.5-1.0) 05/16/06	AREA II TNT SB-R-C9-03 SB-R-C9-03(2.0-2.5) 05/16/06	AREA II TNT SB-R-C9-04 SB-R-C9-04(0.5-1.0) 05/25/06	AREA II TNT SB-R-C9-04 SB-R-C9-04(3.0-3.5) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	39 U	38 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-2-1 TP-R-A11-2-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-4-1 TP-R-A11-4-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-4-1 TP-R-A11-4-1(8.0-8.5) 08/07/06	AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	7.44 U	7.59 U	7.01 U	7.09 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(8.0-8.5) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(5.0-5.5) 08/07/06	AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(7.5-8.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	-	36 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	6.89 U	7.16 U	-	7.1 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-504-1 TP-R-A11-504-1(7.0-7.5) 08/08/06	AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(6.0-6.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	41 U	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	-	-	170 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	-	-	100 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(6.5-7.0) 08/07/06	AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(1.5-2.0) 08/07/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(0.5-1.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	75000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	3700 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	3700 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	3700 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	3700 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	3700 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	3700 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	3700 U
METALS	THALLIUM	MG/KG	NS	2	2	7.27 U	-	7.43 U	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	NA	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	NA	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	NA	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	NA	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	NA	220000 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(8.5-9.0) 08/14/06	AREA II TNT TP-R-A12-426-1 TP-R-A12-426-1(0.5-1.0) 08/15/06	AREA II TNT TP-R-A12-426-1 TP-R-A12-426-1(6.5-7.0) 08/15/06	AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(0.5-1.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	39 U	36 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	120 UJ	110 UJ	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	120 UJ	110 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	120 UJ	110 UJ	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(7.0-7.5) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(8.5-9.0) 08/16/06	AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(0.5-1.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	37 U	35 U	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	-	110 U	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(9.0-9.5) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(9.0-9.5) 08/16/06	AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(1.0-1.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	39 U	35 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	100 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	100 U	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(8.0-8.5) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(8.5-9.0) 08/16/06	AREA II TNT TP-R-A13-625-6 TP-R-A13-625-6(8.0-8.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	37 U	35 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	100 U	110 U	-	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(10.5-11.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	38 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	110 U	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(8.0-8.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(9.5-10.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	38 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(13.0-13.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(14.0-14.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-5 TP-R-B10-2/B10-509-5(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	37 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	-	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-5 TP-R-B10-2/B10-509-5(11.0-11.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-6 TP-R-B10-2/B10-509-6(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-6 TP-R-B10-2/B10-509-6(9.5-10.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	37 U	41 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(10.5-11.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(10.5-11.0) 08/10/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(12.0-12.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	37 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(1.5-2.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	37 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(11.5-12.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	-	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	-	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(10.5-11.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(5.5-6.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	37 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(14.5-15.0) 08/09/06	AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(10.5-11.0) 08/09/06	AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(16.5-17.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	36 U	34 U	36 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	-	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	100 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(16.5-17.0) 08/09/06	AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(12.0-12.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	110 U	100 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	8100 U	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(9.0-9.5) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(9.0-9.5) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	100 UJ	110 UJ	100 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	100 UJ	110 UJ	100 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(7.0-7.5) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	100 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	100 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(1.0-1.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(11.0-11.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(7.5-8.0) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(1.0-1.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	38 U	35 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	100 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	120 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	100 U	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(5.0-5.5) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(8.0-8.5) 08/11/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(12.5-13.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(13.5-14.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	36 U	-	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	110 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(6.0-6.5) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(6.5-7.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(1.5-2.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	40 U	35 U	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	120 U	100 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	100 U	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NA = Not analyzed
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(6.0-6.5) 08/04/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(11.5-12.0) 08/07/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(2.0-2.5) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	-	37 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	7.39 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	-	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	110 U	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(7.0-7.5) 08/07/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(11.5-12.0) 08/02/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(5.0-5.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	35 U	36 U	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	110 U	110 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
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NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(12.5-13.0) 08/02/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(5.5-6.0) 08/02/06	AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(1.5-2.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	-	38 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	-	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(5.5-6.0) 08/02/06	AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(9.5-10.0) 08/02/06	AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(5.5-6.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	36 U	37 U	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 U	110 U	110 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	100 U	110 U	110 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	100 U	110 U	110 U	100 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(9.5-10.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(4.0-4.5) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(8.5-9.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	38 U	36 U	38 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	110 U	110 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	110 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(1.5-2.0) 08/03/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(11.5-12.0) 08/03/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(6.0-6.5) 08/03/06	AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(1.5-2.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	37 U	35 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	100 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	170 U	-	100 U	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	100 U	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(4.5-5.0) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(6.0-6.5) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(9.5-10.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	36 U	41 U	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	110 U	-	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	110 U	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE E9-2296-09 TP-R-E9-2296-09(11.5-12.0) 08/10/06	AREA III A-LINE F9-PA6-01 TP-R-F9-PA6-01(9.0-9.5) 08/10/06	AREA III A-LINE SB-R-E10-04 SB-R-E10-04(0.5-1.0) 06/08/06	AREA III A-LINE SB-R-E10-04 SB-R-E10-04(2.0-2.5) 06/08/06	AREA III A-LINE SB-R-E9-01 SB-R-E9-01(0.5-1.0) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	39 U	38 U	180 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	120 U	110 U	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	120 U	110 U	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	120 U	110 U	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-E9-01 SB-R-E9-01(4.5-5.0) 05/09/06	AREA III A-LINE SB-R-E9-02 SB-R-E9-02(1.08-1.58) 06/08/06	AREA III A-LINE SB-R-E9-02 SB-R-E9-02(4.0-4.5) 06/08/06	AREA III A-LINE SB-R-F10-01 SB-R-F10-01(1.33-1.83) 05/08/06	AREA III A-LINE SB-R-F10-01 SB-R-F10-01(4.0-4.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	1100 U	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	36 U	46 U	37 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 U	110 U	140 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 U	110 U	140 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 U	110 U	140 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-02 SB-R-F10-02(1.0-1.5) 05/08/06	AREA III A-LINE SB-R-F10-02 SB-R-F10-02(4.0-4.5) 05/08/06	AREA III A-LINE SB-R-F10-03 SB-R-F10-03(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-F10-03 SB-R-F10-03(5.0-5.5) 05/09/06	AREA III A-LINE SB-R-F10-04 SB-R-F10-04(0.5-1.0) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	41 U	-	37 U	36 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	120 UJ	120 UJ	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	120 UJ	120 UJ	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	120 UJ	120 UJ	110 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-04 SB-R-F10-04(3.0-3.5) 05/09/06		AREA III A-LINE SB-R-F8-01 SB-R-F8-01(0.5-1.0) 05/11/06		AREA III A-LINE SB-R-F8-01 TP-R-F8-01(4.5-5.0) 08/07/06		AREA III A-LINE SB-R-F9-01 SB-R-F9-01(1.0-1.5) 05/09/06		AREA III A-LINE SB-R-F9-01 SB-R-F9-01(5.0-5.5) 05/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U		380 U		40 U		-		41 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ		110 U		120 U		120 UJ		120 UJ	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ		110 U		120 U		-		120 UJ	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ		110 U		120 U		120 UJ		120 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F9-02 SB-R-F9-02(1.5-2.0) 05/09/06		AREA III A-LINE SB-R-F9-02 SB-R-F9-02(4.5-5.0) 05/09/06		AREA III A-LINE SB-R-F9-03 SB-R-F9-03(0.75-1.25) 05/09/06		AREA III A-LINE SB-R-F9-03 SB-R-F9-03(4.5-5.0) 05/09/06		AREA III A-LINE SB-R-F9-04 SB-R-F9-04(1.67-2.17) 05/10/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-		-		-		-		-	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U		37 U		-		38 U		37 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ		110 UJ		110 UJ		110 UJ		110 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ		110 UJ		110 UJ		110 UJ		110 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ		110 UJ		110 UJ		110 UJ		110 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F9-04 SB-R-F9-04(4.0-4.5) 05/10/06	AREA III A-LINE SB-R-G10-04 SB-R-G10-04(1.5-2.0) 05/08/06	AREA III A-LINE SB-R-G10-04 SB-R-G10-04(4.25-4.75) 05/08/06	AREA III A-LINE SB-R-G8-01 SB-R-G8-01(0.97-1.42) 05/10/06	AREA III A-LINE SB-R-G8-01 SB-R-G8-01(4.0-4.5) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	52 U	40 U	35 U	35 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	160 UJ	120 UJ	100 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	160 UJ	120 UJ	100 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	160 UJ	120 UJ	100 U	100 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-02 SB-R-G8-02(0.5-1.0) 05/10/06	AREA III A-LINE SB-R-G8-02 SB-R-G8-02(6.0-6.5) 05/10/06	AREA III A-LINE SB-R-G8-03 SB-R-G8-03(0.75-1.25) 05/11/06	AREA III A-LINE SB-R-G8-03 SB-R-G8-03(2.5-3.0) 05/11/06	AREA III A-LINE SB-R-G8-04 SB-R-G8-04(0.75-1.25) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U	37 U	41 U	41 U	39 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-04 SB-R-G8-04(4.0-4.5) 05/11/06	AREA III A-LINE SB-R-G8-04 TP-R-G8-04(8.0-8.5) 08/07/06	AREA III A-LINE SB-R-G9-01 SB-R-G9-01(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-G9-01 SB-R-G9-01(4.75-5.25) 05/09/06	AREA III A-LINE SB-R-G9-02 SB-R-G9-02(1.0-1.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	NA	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	NA	-	38 U	40 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	110 UJ	120 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	110 UJ	120 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	110 UJ	120 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G9-02 SB-R-G9-02(2.25-2.75) 05/09/06	AREA III A-LINE SB-R-G9-04 SB-R-G9-04(0.83-1.33) 05/10/06	AREA III A-LINE SB-R-G9-04 SB-R-G9-04(4.0-4.5) 05/10/06	AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	-	-	-	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	39 U	37 U	35 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 U	110 U	100 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	120 U	110 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 U	110 U	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(7.0-7.5) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(0.5-1.0) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(8.5-9.0) 08/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA		NA		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U		36 U		36 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U		110 U		110 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U		-		110 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U		-		110 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(0.5-1.0) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(8.0-8.5) 08/09/06		AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5) 08/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA		NA		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	36 U		38 U		35 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U		110 U		100 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-		110 U		-	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U		110 U		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(7.5-8.0) 08/09/06		AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(1.0-1.5) 08/09/06		AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(8.5-9.0) 08/09/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA		NA		NA	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U		360 U		44 U	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U		110 U		130 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U		110 U		130 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U		110 U		130 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(9.25-9.75) 08/09/06	AREA III A-LINE TP-R-G8-2110-2 TP-R-G8-2110-2(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-2 TP-R-G8-2110-2(8.0-8.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	35 U	37 U	35 U	36 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 U	110 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	110 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	100 U	110 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(0.5-1.0) 08/18/06	AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(7.5-8.0) 08/18/06	AREA III A-LINE TP-R-G8-2110-4 TP-R-G8-2110-4(1.0-1.5) 08/18/06	AREA III A-LINE TP-R-G8-2110-4 TP-R-G8-2110-4(8.0-8.5) 08/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	39 U	36 U	42 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 U	120 U	110 U	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	120 U	110 U	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	100 U	120 U	110 U	130 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-02 SB-R-H13-02(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-02 TP-R-H13-02(4.5-5.0) 08/01/06	AREA III AN SB-R-H13-03 SB-R-H13-03(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-03 SB-R-H13-03(4.0-4.5) 05/12/06	AREA III AN SB-R-H13-04 SB-R-H13-04(0.5-1.0) 05/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	44 U	37 U	40 U	37 U	41 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	110 UJ	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	110 UJ	120 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	110 UJ	120 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-04 SB-R-H13-04(4.0-4.5) 05/12/06	AREA III AN SB-R-I12-02 SB-R-I12-02(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-02 SB-R-I12-02(4.0-4.5) 05/15/06	AREA III AN SB-R-I12-03 SB-R-I12-03(1.5-2.0) 05/15/06	AREA III AN SB-R-I12-03 SB-R-I12-03(4.5-5.0) 05/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	38 U	37 U	39 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I12-04 SB-R-I12-04(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-04 SB-R-I12-04(4.0-4.5) 05/15/06	AREA III AN SB-R-I13-01 SB-R-I13-01(0.5-1.0) 05/12/06	AREA III AN SB-R-I13-01 SB-R-I13-01(4.0-4.5) 05/12/06	AREA III AN SB-R-I13-02 SB-R-I13-02(0.5-1.0) 05/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	39 U	-	35 U	41 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	-	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I13-02 TP-R-I13-02(7.5-8.0) 08/25/06	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(11.5-12.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	34 U	-	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	100 U	130 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	100 U	-	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(6.5-7.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-2 TP-R-H12-237/H13-7/H13-1-2(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-2 TP-R-H12-237/H13-7/H13-1-2(10.5-11.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	35 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	-	100 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	120 UJ	100 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	120 UJ	100 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(1.5-2.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(9.5-10.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(1.5-2.0) 08/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-		-		86000 UJ	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	48 U		38 U		-	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		4300 UJ	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		4300 UJ	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		4300 UJ	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		4300 UJ	
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-		-		4300 UJ	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		4300 UJ	
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-		-		4300 UJ	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	140 UJ		110 UJ		-	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	140 UJ		110 UJ		-	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 UJ		110 UJ		130 UJ	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(6.5-7.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(9.5-10.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(12.5-13.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	37 U	37 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	110 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(6.5-7.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(11.5-12.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	-	39 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	130 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	130 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	130 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(2.0-2.5) 05/05/06	AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(1.75-2.25) 05/08/06	AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(5.0-5.5) 05/08/06	AREA III MAINTENANCE SB-R-F11-03 SB-R-F11-03(0.5-1.0) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	42 U	41 U	46 U	37 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U	120 U	140 UJ	110 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U	120 U	140 UJ	110 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U	120 U	140 UJ	110 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-F11-03 SB-R-F11-03(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(2.0-2.5) 05/04/06	AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(1.0-1.5) 05/08/06	AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(4.0-4.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	190 U	40 U	40 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	120 U	120 U	-	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	120 U	120 U	120 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	120 U	120 U	120 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(0.75-1.25) 05/08/06	AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(4.5-5.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(1.0-1.5) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	38 U	37 U	37 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 UJ	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 UJ	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 UJ	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(2.5-3.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(5.0-5.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-04 SB-R-G11-04(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-04 SB-R-G11-04(5.0-5.5) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	41 U	39 U	44 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	130 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	130 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	130 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G12-01 SB-R-G12-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-01 SB-R-G12-01(5.5-6.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-02 SB-R-G12-02(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-02 SB-R-G12-02(6.0-6.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(0.5-1.0) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	38 U	46 U	40 U	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	140 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	140 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	110 U	140 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(5.0-5.5) 05/05/06	AREA III MAINTENANCE SB-R-G9-03 SB-R-G9-03(0.5-1.0) 05/10/06	AREA III MAINTENANCE SB-R-G9-03 SB-R-G9-03(5.0-5.5) 05/10/06	AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(2.0-2.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	39 U	38 U	38 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(0.5-1.0) 05/09/06	AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(2.5-3.0) 05/09/06	AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(1.0-1.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	38 U	-	38 U	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	110 U	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(5.0-5.5) 05/09/06	AREA III MAINTENANCE SB-R-H11-01 SB-R-H11-01(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-01 SB-R-H11-01(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(2.5-3.0) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	38 U	37 U	-	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	110 U	-	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	110 U	120 U	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(5.0-5.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H12-01 SB-R-H12-01(1.5-2.0) 05/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	37 U	-	38 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	110 U	-	120 U	140 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	120 U	140 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	120 U	140 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H12-01 SB-R-H12-01(5.0-5.5) 05/02/06	AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(4.0-4.5) 05/03/06	AREA III MAINTENANCE SB-R-H12-03 SB-R-H12-03(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-H12-03 SB-R-H12-03(4.0-4.5) 05/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	39 U	39 U	40 U	36 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	5.62 U	5.21 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(0.5-1.0) 05/04/06		AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(4.0-4.5) 05/04/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	44 U		37 U	
METALS	THALLIUM	MG/KG	NS	2	2	-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 U		110 U	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 U		110 U	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 U		110 U	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H13-01 SB-R-H13-01(0.5-1.0) 05/02/06	AREA III MAINTENANCE SB-R-H13-01 SB-R-H13-01(2.5-3.0) 05/02/06	AREA III MAINTENANCE SB-R-H9-01 SB-R-H9-01(1.0-1.5) 05/09/06	AREA III MAINTENANCE SB-R-H9-01 SB-R-H9-01(5.0-5.5) 05/09/06	AREA III MAINTENANCE SB-R-H9-02 SB-R-H9-02(0.5-1.0) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	43 U	38 U	39 U	37 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	4.79 U	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	120 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	130 U	120 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	120 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-02 SB-R-H9-02(2.0-2.5) 05/09/06	AREA III MAINTENANCE SB-R-H9-03 SB-R-H9-03(1.0-1.5) 05/10/06	AREA III MAINTENANCE SB-R-H9-03 SB-R-H9-03(3.0-3.5) 05/10/06	AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(0.5-1.0) 05/10/06	AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(4.0-4.5) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	40 U	35 U	-	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	120 U	100 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	120 U	100 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	120 U	100 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I10-04 SB-R-I10-04(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-I10-04 SB-R-I10-04(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(4.0-4.5) 05/03/06	AREA III MAINTENANCE SB-R-I11-03 TP-R-I11-03(8.0-8.5) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	37 U	40 U	37 U	41 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	110 U	120 U	110 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	110 U	120 U	110 U	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	110 U	120 U	110 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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NA = Not analyzed
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(5.0-5.5) 05/04/06	AREA III MAINTENANCE SB-R-I12-01 SB-R-I12-01(1.0-1.5) 05/03/06	AREA III MAINTENANCE SB-R-I12-01 SB-R-I12-01(4.0-4.5) 05/03/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(0.5-1.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	38 U	44 U	38 U	38 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	130 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	130 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	130 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(3.0-3.5) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(6.75-7.25) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-2 TP-R-G9-4-2(1.0-1.5) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-2 TP-R-G9-4-2(7.5-8.0) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(1.0-1.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	41 U	40 U	40 U	42 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	120 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	120 U	120 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	120 U	120 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(7.0-7.5) 08/08/06	AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(9.5-10.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-2 TP-R-H11-1-2(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-2 TP-R-H11-1-2(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	37 U	39 U	35 U	40 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 UJ	120 UJ	110 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 UJ	120 UJ	110 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 UJ	120 UJ	110 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(5.0-5.5) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(8.5-9.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-4 TP-R-H11-1-4(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-4 TP-R-H11-1-4(8.5-9.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	43 U	35 U	43 U	37 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	130 UJ	100 UJ	130 UJ	110 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	130 UJ	100 UJ	130 UJ	110 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	130 UJ	100 UJ	130 UJ	110 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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SB = Soil boring
TP = Test pit
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Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	43 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-F8-02 SB-R-F8-02(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-F8-03 SB-R-F8-03(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-G7-01 SB-R-G7-01(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(0.5-1.0) 07/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	51 U	39 U	39 U
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 UJ	150 UJ	120 UJ	120 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 UJ	150 UJ	120 UJ	120 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 UJ	150 UJ	120 UJ	120 UJ

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(3.5-4.0) 08/24/06	AREA III MISCELLANEOUS/OFFSITE SB-R-I13-03 SB-R-I13-03(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	37 U	57 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	2.23 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	170 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	170 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	170 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(0.5-1.0) 05/15/06	AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(4.0-4.5) 05/15/06	AREA III WESTERN DEVELOPMENT SB-R-G7-02 SB-R-G7-02(0.5-1.0) 07/05/06	AREA III WESTERN DEVELOPMENT SB-R-H6-03 SB-R-H6-03(0.5-1.0) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	40 U	38 U	47 U	81 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	140 UJ	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	140 UJ	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	140 UJ	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
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IGWSCC = Impact to groundwater soil cleanup criteria
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Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H6-03 SB-R-H6-03(4.25-4.75) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-03 SB-R-H7-03(0.5-1.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-03 SB-R-H7-03(4.25-4.75) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(0.5-1.0) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U	38 U	38 U	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-9

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(4.5-5.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(1.0-1.5) 05/10/06	AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(2.5-3.0) 05/10/06	AREA III WESTERN DEVELOPMENT SB-R-H8-04 SB-R-H8-04(1.0-1.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	39 U	39 U	36 U	38 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	120 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	120 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

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Soil - Analytical Samples with MDLs Exceeding the Soil Criteria
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H8-04 SB-R-H8-04(3.0-3.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	38 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC

Table B1-10

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA III DIAZO TP-R-H8-01A-01 TP-R-88-01A-01(1.0-1.5) 12/19/06	AREA III DIAZO TP-R-H8-01A-01 TP-R-88-01A-01(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-02 TP-R-88-01A-02(1.0-1.5) 12/19/06	AREA III DIAZO TP-R-H8-01A-02 TP-R-88-01A-02(9.0-9.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-03 TP-R-88-01A-03(1.5-2.0) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	81 UJ	74 U	76 U	76 U	81 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	1400 UJ	1300 U	1300 U	1300 U	1400 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	81 UJ	74 U	76 U	76 U	81 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 UJ	110 U	110 U	110 U	120 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 UJ	110 U	110 U	110 U	120 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 UJ	110 U	110 U	110 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-10

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01A-03 TP-R-88-01A-03(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(1.0-1.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(3.0-3.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(9.0-9.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(1.5-2.0) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	75 U	79 U	-	74 U	-
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	1300 U	1400 U	1500 U	1300 U	1300 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	75 U	79 U	85 U	74 U	75 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	130 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	130 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	130 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-10

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA III DIAZO	AREA III DIAZO	AREA III DIAZO	AREA III DIAZO	AREA III DIAZO
			Location ID			TP-R-H8-01A-05	TP-R-H8-01A-05	TP-R-H8-01B-01	TP-R-H8-01B-01	TP-R-H8-01B-02
			Field Sample ID			TP-R-88-01A-05(5.0-5.5)	TP-R-88-01A-05(8.0-8.5)	TP-R-88-01B-01(1.5-2.0)	TP-R-88-01B-01(9.5-10.0)	TP-R-88-01B-02(1.5-2.0)
			Sample Date			12/20/06	12/20/06	12/20/06	12/20/06	12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	77 U	87 U	77 U	73 U	75 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	1400 U	1500 U	1300 U	1300 U	1300 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	77 U	87 U	77 U	73 U	75 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	130 U	120 U	110 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	-	120 U	110 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	130 U	120 U	110 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-10

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA III DIAZO TP-R-H8-01B-02 TP-R-88-01B-02(7.5-8.0) 12/20/06	AREA III DIAZO TP-R-H8-01B-03 TP-R-88-01B-03(1.5-2.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-03 TP-R-88-01B-03(6.5-7.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-04 TP-R-88-01B-04(1.0-1.5) 12/21/06	AREA III DIAZO TP-R-H8-01B-04 TP-R-88-01B-04(7.5-8.0) 12/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	72 U	79 U	75 U	77 U	72 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	1300 U	1400 U	1300 U	1300 U	1300 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	72 U	79 U	75 U	77 U	72 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 U	120 U	110 U	120 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110 U	120 U	110 U	120 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	110 U	120 U	110 U	120 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B1-10

Soil - Analytical Samples with MDLs Exceeding the Soil Criteria - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(1.0-1.5) 12/21/06	AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(2.5-3.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(7.5-8.0) 12/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	77 U	100 UJ	73 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	1300 U	1800 UJ	1300 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	77 U	100 UJ	73 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 U	150 U	110 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120 U	150 U	110 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 U	150 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the method detection limit provided by laboratory analysis exceeded the IGWSCC
Bold = Indicates that the method detection limit provided by laboratory analysis exceeded the RDCSCC
Shade = Indicates that the method detection limit provided by laboratory analysis exceeded the NRDCSCC

Table B2-1

Soil - AOCs Reserved for the RI - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Operational Area	AOC Designation	Name	Description	Justification for Reserving the AOCs for the RI	Proposed Analytical Requirements*	Analytical Group Added due to Field Observations**
Area I	B-Line	M8-1	Disposal Area	Large area of stressed vegetation. Filled with building debris, scrap metal, wood, and drums. Some drums are buried and/or corroded (perimeter=21,00 feet).	This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area I	Development	K5-1	Former Drum Disposal Area	An area adjacent to narrow gauge rail. Several hundred drums with metal debris, broken glass, and an old piece of process equipment on the surface. Drums and metal debris removed as part of IRM (perimeter=500 foot). Minimal evidence of release from sieve.	This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area I	Development	K5-2	Pond	Shallow pond that contained approximately 50 drums and metal debris on the surface. Pond may be seasonal and trees are growing within the pond. Drums and metal debris removed as part of IRM (perimeter=500 feet).	This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area I	Development	M5-3	Old Burning Ground	Area used to thermally decontaminate old equipment. Debris consists of shell casings, lead pipes, wood, old process equipment and other metal fragments. Several areas of stressed vegetation within the boundary (area=127,000 sq. ft.).	SI Sampling locations SB-M5-3-02/04/07/11/17/19 were determined using XRF screening; Results indicated a lead concentration of 1,232 ppm, a copper concentration of 1,410 ppm and a zinc concentration of 1,240 ppm at SB-M5-3-02; a zinc concentration of 3,670 ppm at SB-M5-3-04; a lead concentration of 1,493 ppm, a copper concentration of 1,000 ppm and a zinc concentration of 13,290 ppm at SB-M5-3-07; a lead concentration of 3,820 ppm, a copper concentration of 2,090 ppm and a zinc concentration of 6,100 ppm at SB-M5-3-11; a lead concentration of 2,358 ppm, a copper concentration of 1,073 ppm and a zinc concentration of 2,470 ppm at SB-M5-3-17; a lead concentration of 1,884 ppm, a copper concentration of 694 ppm and a zinc concentration of 7,610 ppm at SB-M5-3-19; Group B E&E materials were detected at sampling locations SB-M5-3-01/02/04/16/17/19	VOCs, SVOCs, Metals, E&E, PCBs	-
Area I	Finishing	J7-1	Graphite Pond	Former pond that received waste from Blender/Packer House J7-2281 J7-2282; pine trees in former pond; no water in former pond. No evidence of negative impact to the pond (area=18,000 sq. ft.).	This AOC was reserved for the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	Metals
Area I	Storage	J10-2166	D-2 Wax House	CMU foundation with wooden siding. Catch tank on S side.	This AOC was reserved for the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observator	SVOCs, E&E	-
Area I	Storage	N6-1	Disposal Area	Area used for disposal of solid materials: machinery, concrete, drums, wood, etc. Disposal area currently covered with grass (perimeter=2000 feet).	This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-

Notes:

AC = Air conditioning

AOC = Area of concern

AST = Aboveground storage tank

Bldg = Building

DIGL-RIP = Stick propellant

E&E = Explosive and energetic

EQ = Equilization tank

FID = Flame-ionization detector

Gal = Gallon

HVAC = Heating ventilation/air conditioning

IRM = Interim remedial measure

NA = Not applicable

NC = Nitrocellulose

NG = Nitroglycerin

No. = Number

PETN = Pentaerythritol tetranitrate

PID = Photoionization detector

PPM = Parts per million

PVC = Polyvinyl chloride

RR = Railroad

Sq Ft = Square Foot

SS = Stainless steel

SV = Stressed vegetation

TNT = 2,4,6-Trinitrotoluene

WWTP = Wastewater treatment plant

XRF = X-ray fluorescence

~ = Approximately

` = Foot

" = Inch

? = Unknown

Group A explosives include TNT, TNB, Picric Acid and Comp B

Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin

Group C explosives include those containing nitrates such as ANFO and black powder

*In the event field observations indicated the presence of an analytical group within a sample interval which was not specified in the SI, the analytical group was added to the analytical requirements for that sample.

**Refer to Appendix B - Soil Boring Logs for field observations made during the RI.

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	B-LINE	Area I AOC-Based	-	J11-2188-10	TP-R-J11-2188-10(8.0-8.5)	08/10/06	NA	NA	NA	X	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	L11-2089-06	TP-R-L11-2089-06(13.0-13.5)	08/10/06	NA	X	NA	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M8-01	SB-R0-M8-01(4.5-5.0)	12/21/05	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M8-02	SB-R0-M8-02(0.5-1.0)	12/21/05	NA	NA	X	X	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M8-02	SB-R0-M8-02(1.5-2.0)	12/21/05	NA	NA	X	X	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M8-02	SB-R0-M8-02(4.5-5.0)	12/21/05	NA	NA	X	X	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M8-04	SB-R0-M8-04(2.0-2.5)	12/21/05	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M8-04	SB-R0-M8-04(5.0-5.5)	12/21/05	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M8-05	SB-R0-M8-05(0.5-1.0)	12/21/05	NA	NA	NA	X	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M8-05	SB-R0-M8-05(4.0-4.5)	12/21/05	NA	NA	NA	X	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-01	SB-R0-M9-01(1.0-1.5)	12/21/05	NA	X	NA	NA	NA	-	Y	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-01	SB-R0-M9-01(4.5-5.0)	12/21/05	NA	X	NA	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-02	SB-R0-M9-02(0.17-0.67)	12/22/05	NA	X	NA	NA	NA	-	Y	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-03	SB-R0-M9-03(0.5-1.0)	12/22/05	NA	X	NA	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-03	SB-R0-M9-03(4.0-4.5)	12/22/05	NA	X	NA	NA	NA	-	Y	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-04	SB-R0-M9-04(1.5-2.0)	12/22/05	NA	X	NA	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-09	SB-R0-M9-09(0.5-1.0)	12/22/05	NA	X	NA	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-09	SB-R0-M9-09(4.0-4.5)	12/22/05	NA	X	NA	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-10	SB-R0-M9-10(1.5-2.0)	12/22/05	NA	X	NA	NA	NA	-	Y	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-10	SB-R0-M9-10(2.5-3.0)	12/22/05	NA	X	NA	NA	NA	-	-	-	-	-
AREA I	B-LINE	Area I AOC-Based	-	SB-R0-M9-10	SB-R0-M9-10(4.5-5.0)	12/22/05	NA	X	NA	NA	NA	-	Y	-	-	-
AREA I	B-LINE	Grid-Based	R-235	SB-R-I11-01	SB-R-I11-01(1.5-2.0)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-235	SB-R-I11-01	SB-R-I11-01(4.5-5.0)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-252	SB-R-J11-01	SB-R-J11-01(0.5-1.0)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-252	SB-R-J11-01	SB-R-J11-01(5.5-6.0)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-267	SB-R-J11-02	SB-R-J11-02(0.5-1.0)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-267	SB-R-J11-02	SB-R-J11-02(5.0-5.5)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-264	SB-R-J11-03	SB-R-J11-03(0.5-1.0)	03/22/06	X	X	X	X	X	-	Y	-	-	-
AREA I	B-LINE	Grid-Based	R-264	SB-R-J11-03	SB-R-J11-03(2.0-2.5)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-255	SB-R-J12-01	SB-R-J12-01(1.0-1.5)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-255	SB-R-J12-01	SB-R-J12-01(4.5-5.0)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-271	SB-R-J12-02	SB-R-J12-02(1.0-1.5)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-271	SB-R-J12-02	SB-R-J12-02(6.5-7.0)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-275	SB-R-K10-01	SB-R-K10-01(0.5-1.0)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-275	SB-R-K10-01	SB-R-K10-01(5.5-6.0)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-288	SB-R-K10-02	SB-R-K10-02(0.5-1.0)	03/30/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	Grid-Based	R-288	SB-R-K10-02	SB-R-K10-02(1.0-1.5)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-291	SB-R-K10-04	SB-R-K10-04(0.5-1.0)	04/13/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	Grid-Based	R-291	SB-R-K10-04	SB-R-K10-04(4.0-4.5)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-282	SB-R-K11-01	SB-R-K11-01(0.8-1.4)	03/22/06	X	X	X	X	X	-	Y	-	-	-
AREA I	B-LINE	Grid-Based	R-282	SB-R-K11-01	SB-R-K11-01(5.0-5.5)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-278	SB-R-K11-02	SB-R-K11-02(1.5-2.0)	03/22/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-278	SB-R-K11-02	SB-R-K11-02(4.0-4.5)	03/22/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	B-LINE	Grid-Based	R-298	SB-R-K11-03	SB-R-K11-03(0.5-1.0)	03/23/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	Grid-Based	R-298	SB-R-K11-03	SB-R-K11-03(4.0-4.5)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-294	SB-R-K11-04	SB-R-K11-04(0.75-1.25)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-294	SB-R-K11-04	SB-R-K11-04(2.0-2.5)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-305	SB-R-L10-01	SB-R-L10-01(0.25-0.75)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-305	SB-R-L10-01	SB-R-L10-01(1.5-2.0)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-318	SB-R-L10-02	SB-R-L10-02(0.5-1.0)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-318	SB-R-L10-02	SB-R-L10-02(5.0-5.5)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-316	SB-R-L10-03	SB-R-L10-03(0.5-1.0)	04/12/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-316	SB-R-L10-03	TP-R-L10-03(5.5-6.0)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-303	SB-R-L10-04	SB-R-L10-04(0.5-1.0)	04/12/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-303	SB-R-L10-04	SB-R-L10-04(4.0-4.5)	04/12/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-311	SB-R-L11-01	SB-R-L11-01(1.0-1.5)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-311	SB-R-L11-01	SB-R-L11-01(4.0-4.5)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-321	SB-R-L11-02	SB-R-L11-02(0.5-1.0)	03/23/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	B-LINE	Grid-Based	R-321	SB-R-L11-02	SB-R-L11-02(6.5-7.0)	03/23/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-307	SB-R-L11-03	SB-R-L11-03(0.5-1.0)	03/29/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	Grid-Based	R-307	SB-R-L11-03	TP-R-L11-03(7.0-7.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-300	SB-R-L9-01	SB-R-L9-01(0.5-1.0)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-300	SB-R-L9-01	SB-R-L9-01(1.0-1.5)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-309	SB-R-L9-03	SB-R-L9-03(0.5-1.0)	04/12/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-309	SB-R-L9-03	TP-R-L9-03(6.5-7.0)	07/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-312	SB-R-L9-04	SB-R-L9-04(0.5-1.0)	04/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-312	SB-R-L9-04	SB-R-L9-04(2.5-3.0)	04/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-332	SB-R-M10-01	SB-R-M10-01(0.5-1.0)	03/29/06	X	X	X	X	X	-	Y	-	Y	-
AREA I	B-LINE	Grid-Based	R-332	SB-R-M10-01	TP-R-M10-01(7.0-7.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-346	SB-R-M10-02	SB-R-M10-02(0.5-1.0)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-346	SB-R-M10-02	SB-R-M10-02(4.0-4.5)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-329	SB-R-M10-03	SB-R-M10-03(1.0-1.5)	04/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-329	SB-R-M10-03	TP-R-M10-03(6.0-6.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-343	SB-R-M9-01	SB-R-M9-01(0.5-1.0)	03/29/06	X	X	X	X	X	-	Y	-	-	-
AREA I	B-LINE	Grid-Based	R-343	SB-R-M9-01	SB-R-M9-01(2.0-2.5)	03/29/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-337	SB-R-M9-02	SB-R-M9-02(0.5-1.0)	03/30/06	X	X	X	X	X	-	Y	-	-	-
AREA I	B-LINE	Grid-Based	R-337	SB-R-M9-02	TP-R-M9-02(4.5-5.0)	07/27/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	Grid-Based	R-340	SB-R-M9-03	SB-R-M9-03(0.5-1.0)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-340	SB-R-M9-03	SB-R-M9-03(1.5-2.0)	03/30/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	Grid-Based	R-340	SB-R-M9-03	TP-R-M9-03(7.5-8.0)	07/27/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-326	SB-R-M9-04	SB-R-M9-04(1.0-1.5)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-326	SB-R-M9-04	SB-R-M9-04(2.5-3.0)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-322	SB-R-M9-05	SB-R-M9-05(0.5-1.0)	04/28/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	Grid-Based	R-322	SB-R-M9-05	TP-R-M9-05(4.5-5.0)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-356	SB-R-N8-01	SB-R-N8-01(1.0-1.5)	04/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-356	SB-R-N8-01	SB-R-N8-01(4.5-5.0)	04/17/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	B-LINE	Grid-Based	R-352	SB-R-N9-01	SB-R-N9-01(0.5-1.0)	03/29/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-352	SB-R-N9-01	SB-R-N9-01(5.08-5.58)	03/29/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-355	SB-R-N9-02	SB-R-N9-02(0.5-1.0)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-355	SB-R-N9-02	SB-R-N9-02(1.5-2.0)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-363	SB-R-N9-03	SB-R-N9-03(1.0-1.5)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-363	SB-R-N9-03	SB-R-N9-03(2.0-2.5)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-377	SB-R-O8-02	SB-R-O8-02(0.5-1.0)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	Grid-Based	R-377	SB-R-O8-02	SB-R-O8-02(4.0-4.5)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	Grid-Based	R-377	SB-R-O8-02	TP-R-O8-02(8.0-8.5)	08/07/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-369	SB-R-O8-03	SB-R-O8-03(0.5-1.0)	04/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-369	SB-R-O8-03	SB-R-O8-03(5.5-6.0)	04/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-379	SB-R-O8-04	SB-R-O8-04(0.5-1.0)	06/29/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-371	SB-R-O9-01	SB-R-O9-01(1.0-1.5)	04/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	Grid-Based	R-371	SB-R-O9-01	SB-R-O9-01(4.0-4.5)	04/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-1	TP-R-M8-1-1(1.0-1.5)	07/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-1	TP-R-M8-1-1(2.0-2.5)	07/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-1	TP-R-M8-1-1(4.5-5.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-10	TP-R-M8-1-10(0.5-1.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-10	TP-R-M8-1-10(3.5-4.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-11	TP-R-M8-1-11(1.0-1.5)	07/20/06	X	X	X	X	X	-	Y	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-11	TP-R-M8-1-11(6.0-6.5)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-12	TP-R-M8-1-12(1.5-2.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-12	TP-R-M8-1-12(4.0-4.5)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-12	TP-R-M8-1-12(7.5-8.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-13	TP-R-M8-1-13(0.5-1.0)	07/20/06	X	X	X	X	X	-	Y	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-13	TP-R-M8-1-13(1.5-2.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-13	TP-R-M8-1-13(6.0-6.5)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-14	TP-R-M8-1-14(1.5-2.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-14	TP-R-M8-1-14(5.0-5.5)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-15	TP-R-M8-1-15(1.0-1.5)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-15	TP-R-M8-1-15(5.0-5.5)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-16	TP-R-M8-1-16(1.5-2.0)	07/25/06	X	X	X	X	X	-	Y	-	Y	Y
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-16	TP-R-M8-1-16(6.0-6.5)	07/25/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-17	TP-R-M8-1-17(1.5-2.0)	07/25/06	X	X	X	X	X	-	-	-	Y	Y
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-17	TP-R-M8-1-17(4.0-4.5)	07/25/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-18	TP-R-M8-1-18(1.5-2.0)	07/25/06	X	X	X	X	X	-	-	-	Y	Y
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-18	TP-R-M8-1-18(4.5-5.0)	07/25/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-19	TP-R-M8-1-19(1.0-1.5)	07/25/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-19	TP-R-M8-1-19(3.5-4.0)	07/25/06	X	X	X	X	X	-	-	Y	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-2	TP-R-M8-1-2(1.0-1.5)	07/19/06	X	X	X	X	X	-	Y	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-2	TP-R-M8-1-2(2.0-2.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-2	TP-R-M8-1-2(4.0-4.5)	07/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-20	TP-R-M8-1-20(1.0-1.5)	07/25/06	X	X	X	X	X	-	-	-	Y	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-20	TP-R-M8-1-20(3.5-4.0)	07/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-21	TP-R-M8-1-21(1.0-1.5)	07/25/06	X	X	X	X	X	-	-	Y	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-21	TP-R-M8-1-21(3.5-4.0)	07/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-22	TP-R-M8-1-22(1.0-1.5)	07/25/06	X	X	X	X	X	-	Y	Y	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-22	TP-R-M8-1-22(4.0-4.5)	07/25/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-23	TP-R-M8-1-23(1.5-2.0)	07/25/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-23	TP-R-M8-1-23(4.5-5.0)	07/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-4	TP-R-M8-1-4(0.5-1.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-4	TP-R-M8-1-4(3.5-4.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-5	TP-R-M8-1-5(0.5-1.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-5	TP-R-M8-1-5(2.5-3.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-6	TP-R-M8-1-6(0.5-1.0)	07/19/06	X	X	X	X	X	-	-	-	Y	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-6	TP-R-M8-1-6(4.0-4.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-7	TP-R-M8-1-7(0.5-1.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-7	TP-R-M8-1-7(4.5-5.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-8	TP-R-M8-1-8(1.0-1.5)	07/19/06	X	X	X	X	X	Y	Y	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-8	TP-R-M8-1-8(4.0-4.5)	07/19/06	X	X	X	X	X	Y	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-9	TP-R-M8-1-9(1.0-1.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	B-LINE	SI AOC Rsvd for RI	-	TP-R-M8-1-9	TP-R-M8-1-9(5.0-5.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-146	SB-R-H5-01	SB-R-H5-01(1.0-1.5)	04/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-146	SB-R-H5-01	SB-R-H5-01(4.0-4.5)	04/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-156	SB-R-H6-01	SB-R-H6-01(1.0-1.5)	04/07/06	X	X	X	X	X	-	Y	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-156	SB-R-H6-01	SB-R-H6-01(5.0-5.5)	04/07/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-152	SB-R-H6-01	TP-R-H6-01(9.0-9.5)	08/02/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-152	SB-R-H6-02	SB-R-H6-02(1.0-1.5)	04/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-152	SB-R-H6-02	SB-R-H6-02(2.0-2.5)	04/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-152	SB-R-H6-02	TP-R-H6-02(6.0-6.5)	08/02/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-167	SB-R-H7-01	SB-R-H7-01(0.5-1.0)	04/07/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-167	SB-R-H7-01	SB-R-H7-01(4.5-5.0)	04/07/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-167	SB-R-H7-01	TP-R-H7-01(8.5-9.0)	08/02/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-160	SB-R-H7-02	SB-R-H7-02(0.5-1.0)	04/07/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-160	SB-R-H7-02	SB-R-H7-02(4.5-5.0)	04/07/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-160	SB-R-H7-02	TP-R-H7-02(8.5-9.0)	08/02/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-166	SB-R-I5-01	SB-R-I5-01(0.5-1.0)	04/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-166	SB-R-I5-01	SB-R-I5-01(2.0-2.5)	04/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-185	SB-R-I5-02	SB-R-I5-02(0.5-1.0)	04/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-185	SB-R-I5-02	TP-R-I5-02(4.5-5.0)	08/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-176	SB-R-I6-01	SB-R-I6-01(0.5-1.0)	04/07/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-176	SB-R-I6-01	SB-R-I6-01(4.0-4.5)	04/07/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-171	SB-R-I6-02	SB-R-I6-02(0.5-1.0)	04/19/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-171	SB-R-I6-02	SB-R-I6-02(4.5-5.0)	04/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-189	SB-R-I6-03	SB-R-I6-03(1.0-1.5)	04/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-189	SB-R-I6-03	SB-R-I6-03(2.5-3.0)	04/19/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	DEVELOPMENT	Grid-Based	R-193	SB-R-I6-04	SB-R-I6-04(1.0-1.5)	04/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-193	SB-R-I6-04	SB-R-I6-04(4.0-4.5)	04/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-193	SB-R-I6-04	TP-R-I6-04(8.0-8.5)	08/03/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-181	SB-R-I7-02	SB-R-I7-02(0.5-1.0)	04/07/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-181	SB-R-I7-02	SB-R-I7-02(4.0-4.5)	04/07/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-181	SB-R-I7-02	TP-R-I7-02(8.0-8.5)	08/02/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-218	SB-R-J5-01	SB-R-J5-01(0.5-1.0)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-218	SB-R-J5-01	SB-R-J5-01(2.5-3.0)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-212	SB-R-J6-01	SB-R-J6-01(0.5-1.0)	04/20/06	X	X	X	X	X	-	Y	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-212	SB-R-J6-01	SB-R-J6-01(4.0-4.5)	04/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-228	SB-R-J6-02	SB-R-J6-02(0.5-1.0)	04/20/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-228	SB-R-J6-02	SB-R-J6-02(4.0-4.5)	04/20/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-228	SB-R-J6-02	TP-R-J6-02(8.0-8.5)	08/03/06	NA	X	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-225	SB-R-J6-03	SB-R-J6-03(1.0-1.5)	04/20/06	X	X	X	X	X	-	Y	Y	Y	-
AREA I	DEVELOPMENT	Grid-Based	R-225	SB-R-J6-03	SB-R-J6-03(4.5-5.0)	04/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-236	SB-R-K5-01	SB-R-K5-01(0.5-1.0)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-236	SB-R-K5-01	SB-R-K5-01(2.5-3.0)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-240	SB-R-K5-02	SB-R-K5-02(0.5-1.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-240	SB-R-K5-02	SB-R-K5-02(4.5-5.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-263	SB-R-K6-01	SB-R-K6-01(0.5-1.0)	04/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-263	SB-R-K6-01	SB-R-K6-01(4.0-4.5)	04/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-248	SB-R-K6-02	SB-R-K6-02(0.5-1.0)	04/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-248	SB-R-K6-02	SB-R-K6-02(4.0-4.5)	04/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-244	SB-R-K6-03	TP-R-K6-03(1.5-2.0)	08/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-244	SB-R-K6-03	TP-R-K6-03(6.5-7.0)	08/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-259	SB-R-K6-04	SB-R-K6-04(0.5-1.0)	04/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-259	SB-R-K6-04	SB-R-K6-04(4.0-4.5)	04/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-254	SB-R-K7-01	SB-R-K7-01(0.5-1.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-254	SB-R-K7-01	SB-R-K7-01(4.5-5.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-266	SB-R-K7-03	SB-R-K7-03(1.0-1.5)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-266	SB-R-K7-03	SB-R-K7-03(4.0-4.5)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-257	SB-R-K8-02	SB-R-K8-02(0.5-1.0)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-257	SB-R-K8-02	SB-R-K8-02(5.5-6.0)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-270	SB-R-L5-01	SB-R-L5-01(0.5-1.0)	04/21/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-270	SB-R-L5-01	SB-R-L5-01(4.0-4.5)	04/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-286	SB-R-L5-02	SB-R-L5-02(1.5-2.0)	04/21/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-286	SB-R-L5-02	SB-R-L5-02(4.0-4.5)	04/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-283	SB-R-L5-03	SB-R-L5-03(1.0-1.5)	04/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-283	SB-R-L5-03	SB-R-L5-03(4.17-4.67)	04/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-293	SB-R-L6-01	SB-R-L6-01(0.5-1.0)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-293	SB-R-L6-01	SB-R-L6-01(2.0-2.5)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-290	SB-R-L6-02	SB-R-L6-02(0.5-1.0)	04/13/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-290	SB-R-L6-02	SB-R-L6-02(4.5-5.0)	04/13/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	DEVELOPMENT	Grid-Based	R-277	SB-R-L6-03	SB-R-L6-03(0.5-1.0)	04/21/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-277	SB-R-L6-03	SB-R-L6-03(4.0-4.5)	04/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-274	SB-R-L6-04	SB-R-L6-04(1.0-1.5)	04/21/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-274	SB-R-L6-04	SB-R-L6-04(5.0-5.5)	04/21/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-274	SB-R-L6-04	TP-R-L6-04(9.0-9.5)	07/25/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-281	SB-R-L7-02	SB-R-L7-02(0.5-1.0)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-281	SB-R-L7-02	SB-R-L7-02(4.0-4.5)	04/13/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	Grid-Based	R-281	SB-R-L7-02	TP-R-L7-02(9.0-9.5)	07/25/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-314	SB-R-M5-01	SB-R-M5-01(0.5-1.0)	04/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-314	SB-R-M5-01	SB-R-M5-01(4.08-4.58)	04/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-328	SB-R-N5-01	SB-R-N5-01(0.5-1.0)	04/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-328	SB-R-N5-01	SB-R-N5-01(6.0-6.5)	04/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-324	SB-R-N5-03	SB-R-N5-03(0.5-1.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	Grid-Based	R-324	SB-R-N5-03	SB-R-N5-03(2.5-3.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-1	TP-R-K5-1-1(1.5-2.0)	07/27/06	X	X	X	X	X	-	Y	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-1	TP-R-K5-1-1(8.5-9.0)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-2	TP-R-K5-1-2(1.5-2.0)	07/27/06	X	X	X	X	X	-	Y	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-2	TP-R-K5-1-2(8.0-8.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-3	TP-R-K5-1-3(0.5-1.0)	07/27/06	X	X	X	X	X	-	Y	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-3	TP-R-K5-1-3(9.5-10.0)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-4	TP-R-K5-1-4(1.0-1.5)	07/27/06	X	X	X	X	X	-	Y	Y	Y	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-4	TP-R-K5-1-4(7.5-8.0)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-5	TP-R-K5-1-5(0.5-1.0)	07/27/06	X	X	X	X	X	-	Y	Y	Y	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-1-5	TP-R-K5-1-5(8.0-8.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-1	TP-R-K5-2-1(0.5-1.0)	07/27/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-1	TP-R-K5-2-1(7.5-8.0)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-2	TP-R-K5-2-2(0.5-1.0)	07/27/06	X	X	X	X	X	-	Y	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-2	TP-R-K5-2-2(11.0-11.5)	07/27/06	X	X	X	X	X	-	Y	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-2	TP-R-K5-2-2(5.5-6.0)	07/27/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-3	TP-R-K5-2-3(0.5-1.0)	07/27/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-3	TP-R-K5-2-3(17.0-17.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-3	TP-R-K5-2-3(9.0-9.5)	07/27/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-4	TP-R-K5-2-4(0.5-1.0)	07/26/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-4	TP-R-K5-2-4(6.0-6.5)	07/26/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-4	TP-R-K5-2-4(8.5-9.0)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-5	TP-R-K5-2-5(0.5-1.0)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-5	TP-R-K5-2-5(15.0-15.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-K5-2-5	TP-R-K5-2-5(8.0-8.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-1	TP-R-M5-3-1(1.5-2.0)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-1	TP-R-M5-3-1(9.0-9.5)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-10	TP-R-M5-3-10(1.5-2.0)	07/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-11	TP-R-M5-3-11(1.0-1.5)	07/25/06	X	X	X	X	X	-	Y	-	Y	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-11	TP-R-M5-3-11(4.5-5.0)	07/25/06	X	X	X	X	X	-	Y	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-12	TP-R-M5-3-12(1.5-2.0)	07/25/06	X	X	X	X	X	-	-	-	Y	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-12	TP-R-M5-3-12(8.0-8.5)	07/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-13	TP-R-M5-3-13(1.5-2.0)	07/25/06	X	X	X	X	X	-	Y	Y	Y	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-13	TP-R-M5-3-13(7.5-8.0)	07/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-14	TP-R-M5-3-14(0.5-1.0)	07/25/06	X	X	X	X	X	-	Y	Y	Y	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-14	TP-R-M5-3-14(13.0-13.5)	07/25/06	X	X	X	X	X	-	-	-	Y	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-14	TP-R-M5-3-14(6.5-7.0)	07/25/06	X	X	X	X	X	-	-	Y	Y	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-15	TP-R-M5-3-15(1.0-1.5)	07/26/06	X	X	X	X	X	-	-	Y	Y	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-15	TP-R-M5-3-15(6.5-7.0)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-16	TP-R-M5-3-16(1.5-2.0)	07/26/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-16	TP-R-M5-3-16(5.0-5.5)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-17	TP-R-M5-3-17(0.5-1.0)	07/26/06	X	X	X	X	X	-	Y	Y	Y	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-17	TP-R-M5-3-17(7.0-7.5)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-18	TP-R-M5-3-18(0.5-1.0)	07/26/06	X	X	X	X	X	-	Y	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-18	TP-R-M5-3-18(12.0-12.5)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-18	TP-R-M5-3-18(5.0-5.5)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-19	TP-R-M5-3-19(0.5-1.0)	07/26/06	X	X	X	X	X	-	Y	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-19	TP-R-M5-3-19(10.5-11.0)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-2	TP-R-M5-3-2(1.0-1.5)	07/21/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-2	TP-R-M5-3-2(8.0-8.5)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-20	TP-R-M5-3-20(0.5-1.0)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-20	TP-R-M5-3-20(9.5-10.0)	07/26/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-21	TP-R-M5-3-21(0.5-1.0)	07/26/06	X	X	X	X	X	-	Y	Y	Y	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-21	TP-R-M5-3-21(7.5-8.0)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-22	TP-R-M5-3-22(1.0-1.5)	07/25/06	X	X	X	X	X	-	Y	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-22	TP-R-M5-3-22(4.5-5.0)	07/25/06	X	X	X	X	X	-	Y	-	Y	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-22	TP-R-M5-3-22(9.0-9.5)	07/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-23	TP-R-M5-3-23(0.5-1.0)	07/26/06	X	X	X	X	X	-	-	Y	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-23	TP-R-M5-3-23(8.0-8.5)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-3	TP-R-M5-3-3(0.5-1.0)	07/21/06	X	X	X	X	X	-	-	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-3	TP-R-M5-3-3(8.5-9.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-4	TP-R-M5-3-4(0.5-1.0)	07/21/06	X	X	X	X	X	-	-	Y	-	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-4	TP-R-M5-3-4(5.0-5.5)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-5	TP-R-M5-3-5(0.5-1.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-5	TP-R-M5-3-5(9.5-10.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-6	TP-R-M5-3-6(1.0-1.5)	07/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-6	TP-R-M5-3-6(4.5-5.0)	07/24/06	X	X	X	X	X	-	Y	Y	Y	Y
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-6	TP-R-M5-3-6(8.0-8.5)	07/24/06	X	X	X	X	X	-	Y	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-7	TP-R-M5-3-7(0.5-1.0)	07/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-7	TP-R-M5-3-7(8.0-8.5)	07/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-8	TP-R-M5-3-8(1.0-1.5)	07/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-8	TP-R-M5-3-8(7.5-8.0)	07/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-9	TP-R-M5-3-9(1.5-2.0)	07/24/06	X	X	X	X	X	-	-	Y	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	DEVELOPMENT	SI AOC Rsvd for RI	-	TP-R-M5-3-9	TP-R-M5-3-9(10.0-10.5)	07/24/06	X	X	X	X	X	-	-	Y	-	-
AREA I	FINISHING	Grid-Based	R-227	SB-R-I10-01	SB-R-I10-01(0.5-1.0)	03/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-227	SB-R-I10-01	SB-R-I10-01(1.0-1.5)	03/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-206	SB-R-I10-02	SB-R-I10-02(0.5-1.0)	03/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-206	SB-R-I10-02	SB-R-I10-02(2.0-2.5)	03/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-223	SB-R-I10-03	SB-R-I10-03(0.5-1.0)	04/03/06	X	X	X	X	X	-	-	Y	-	-
AREA I	FINISHING	Grid-Based	R-223	SB-R-I10-03	SB-R-I10-03(4.0-4.5)	04/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-184	SB-R-I7-01	SB-R-I7-01(0.5-1.0)	04/07/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-184	SB-R-I7-01	SB-R-I7-01(4.5-5.0)	04/07/06	X	X	X	X	X	-	-	Y	-	-
AREA I	FINISHING	Grid-Based	R-184	SB-R-I7-01	TP-R-I7-01(8.5-9.0)	08/02/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-197	SB-R-I7-03	SB-R-I7-03(1.0-1.5)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-197	SB-R-I7-03	SB-R-I7-03(4.5-5.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-201	SB-R-I7-04	SB-R-I7-04(0.5-1.0)	04/11/06	X	X	X	X	X	-	Y	-	Y	-
AREA I	FINISHING	Grid-Based	R-201	SB-R-I7-04	SB-R-I7-04(4.5-5.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-192	SB-R-I8-01	SB-R-I8-01(0.5-1.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-192	SB-R-I8-01	SB-R-I8-01(4.5-5.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-210	SB-R-I8-02	SB-R-I8-02(0.5-1.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-210	SB-R-I8-02	SB-R-I8-02(2.0-2.5)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-188	SB-R-I8-03	SB-R-I8-03(0.5-1.0)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-188	SB-R-I8-03	SB-R-I8-03(4.5-5.0)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-205	SB-R-I8-04	SB-R-I8-04(0.5-1.0)	04/06/06	X	X	X	X	X	-	Y	-	Y	-
AREA I	FINISHING	Grid-Based	R-205	SB-R-I8-04	SB-R-I8-04(6.0-6.5)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-202	SB-R-I9-01	SB-R-I9-01(2.75-3.25)	04/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-202	SB-R-I9-01	SB-R-I9-01(4.0-4.5)	04/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-219	SB-R-I9-02	SB-R-I9-02(1.0-1.5)	04/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-219	SB-R-I9-02	SB-R-I9-02(4.0-4.5)	04/03/06	X	X	X	X	X	-	-	Y	-	-
AREA I	FINISHING	Grid-Based	R-219	SB-R-I9-02	TP-R-I9-02(8.0-8.5)	07/31/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-196	SB-R-I9-03	SB-R-I9-03(0.5-1.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-196	SB-R-I9-03	SB-R-I9-03(2.5-3.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-214	SB-R-I9-04	SB-R-I9-04(0.5-1.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-214	SB-R-I9-04	SB-R-I9-04(4.0-4.5)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-241	SB-R-J10-01	SB-R-J10-01(0.5-1.0)	03/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-241	SB-R-J10-01	SB-R-J10-01(4.0-4.5)	03/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-216	SB-R-J7-01	SB-R-J7-01(0.5-1.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-216	SB-R-J7-01	SB-R-J7-01(5.0-5.5)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-220	SB-R-J7-02	SB-R-J7-02(0.5-1.0)	04/11/06	X	X	X	X	X	-	Y	Y	Y	-
AREA I	FINISHING	Grid-Based	R-220	SB-R-J7-02	SB-R-J7-02(4.5-5.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-238	SB-R-J7-03	SB-R-J7-03(0.5-1.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-238	SB-R-J7-03	SB-R-J7-03(6.0-6.5)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-232	SB-R-J7-04	SB-R-J7-04(0.5-1.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-232	SB-R-J7-04	SB-R-J7-04(5.0-5.5)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-229	SB-R-J8-01	SB-R-J8-01(0.75-1.25)	04/04/06	X	X	X	X	X	-	-	-	-	Y
AREA I	FINISHING	Grid-Based	R-229	SB-R-J8-01	SB-R-J8-01(4.5-5.0)	04/04/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

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Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	FINISHING	Grid-Based	R-246	SB-R-J8-02	SB-R-J8-02(0.5-1.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-246	SB-R-J8-02	SB-R-J8-02(2.0-2.5)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-224	SB-R-J8-03	SB-R-J8-03(0.5-1.0)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-224	SB-R-J8-03	SB-R-J8-03(6.0-6.5)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-242	SB-R-J8-04	SB-R-J8-04(0.5-1.0)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-242	SB-R-J8-04	SB-R-J8-04(4.5-5.0)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-237	SB-R-J9-01	SB-R-J9-01(1.0-1.5)	04/03/06	X	X	X	X	X	-	-	Y	-	-
AREA I	FINISHING	Grid-Based	R-237	SB-R-J9-01	SB-R-J9-01(2.0-2.5)	04/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-233	SB-R-J9-02	SB-R-J9-02(0.75-1.25)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-233	SB-R-J9-02	SB-R-J9-02(2.0-2.5)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-251	SB-R-K7-02	SB-R-K7-02(1.0-1.5)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	Grid-Based	R-251	SB-R-K7-02	SB-R-K7-02(4.5-5.0)	04/11/06	X	X	X	X	X	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-1	TP-R-J7-1-1(0.5-1.0)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-1	TP-R-J7-1-1(8.5-9.0)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-2	TP-R-J7-1-2(1.0-1.5)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-2	TP-R-J7-1-2(10.5-11.0)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-3	TP-R-J7-1-3(1.0-1.5)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-3	TP-R-J7-1-3(9.5-10.0)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-4	TP-R-J7-1-4(0.5-1.0)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-4	TP-R-J7-1-4(9.5-10.0)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-5	TP-R-J7-1-5(1.0-1.5)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-5	TP-R-J7-1-5(7.0-7.5)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-6	TP-R-J7-1-6(0.5-1.0)	07/28/06	NA	X	X	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-6	TP-R-J7-1-6(7.5-8.0)	07/28/06	NA	X	X	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-7	TP-R-J7-1-7(0.5-1.0)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	FINISHING	SI AOC Rsvd for RI	-	TP-R-J7-1-7	TP-R-J7-1-7(8.5-9.0)	07/28/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-180	SB-R-I5-03	SB-R-I5-03(0.5-1.0)	07/05/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-161	SB-R-I5-04	SB-R-I5-04(0.5-1.0)	07/05/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-258	SB-R-J12-03	SB-R-J12-03(0.5-1.0)	06/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-262	SB-R-J13-01	SB-R-J13-01(0-0.25)	06/26/06	NA	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-199	SB-R-J5-02	SB-R-J5-02(1.0-1.5)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-199	SB-R-J5-02	SB-R-J5-02(4.0-4.5)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-287	SB-R-K12-01	SB-R-K12-01(0.5-1.0)	06/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-302	SB-R-K12-02	SB-R-K12-02(0.5-1.0)	06/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-325	SB-R-L11-04	SB-R-L11-04(0.5-1.0)	06/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-315	SB-R-L12-01	SB-R-L12-01(0.5-1.0)	06/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-279	SB-R-L4-01	SB-R-L4-01(0.5-1.0)	06/29/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-335	SB-R-M11-01	SB-R-M11-01(1.0-1.5)	06/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-308	SB-R-M4-01	SB-R-M4-01(0.5-1.0)	06/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-295	SB-R-M4-02	SB-R-M4-02(0.5-1.0)	06/29/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-366	SB-R-N10-01	SB-R-N10-01(0.5-1.0)	06/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-320	SB-R-N4-03	SB-R-N4-03(0.5-1.0)	06/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-374	SB-R-O9-02	SB-R-O9-02(0.5-1.0)	06/27/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-381	SB-R-O9-03	SB-R-O9-03(0.5-1.0)	06/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-391	SB-R-P7-04	SB-R-P7-04(0.5-1.0)	06/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-386	SB-R-P8-01	SB-R-P8-01(0.5-1.0)	06/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	MISCELLANEOUS/OFFSITE	Grid-Based	R-396	SB-R-Q7-03	SB-R-Q7-03(0.5-1.0)	06/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-231	SB-R-I11-02	SB-R-I11-02(0.83-1.33)	03/31/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-231	SB-R-I11-02	SB-R-I11-02(2.0-2.5)	03/31/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-231	SB-R-I11-02	TP-R-I11-02(6.0-6.5)	07/31/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-260	SB-R-J10-02	SB-R-J10-02(1.5-2.0)	03/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-260	SB-R-J10-02	SB-R-J10-02(2.17-2.67)	03/31/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-256	SB-R-J10-03	SB-R-J10-03(2.25-2.75)	04/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-256	SB-R-J10-03	TP-R-J10-03(6.5-7.0)	07/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-245	SB-R-J10-04	SB-R-J10-04(1.0-1.5)	04/12/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-245	SB-R-J10-04	SB-R-J10-04(4.5-5.0)	04/12/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-249	SB-R-J11-04	SB-R-J11-04(1.0-1.5)	03/31/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	STORAGE	Grid-Based	R-249	SB-R-J11-04	SB-R-J11-04(4.92-5.42)	03/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-250	SB-R-J9-03	SB-R-J9-03(0.5-1.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-250	SB-R-J9-03	SB-R-J9-03(5.0-5.5)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-253	SB-R-J9-04	SB-R-J9-04(0.5-1.0)	04/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-253	SB-R-J9-04	TP-R-J9-04(4.5-5.0)	07/31/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-272	SB-R-K10-03	SB-R-K10-03(0.75-1.25)	04/05/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-272	SB-R-K10-03	TP-R-K10-03(4.75-5.25)	07/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-269	SB-R-K7-04	SB-R-K7-04(0.5-1.0)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-269	SB-R-K7-04	TP-R-K7-04(5.5-6.0)	07/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-261	SB-R-K8-01	SB-R-K8-01(1.75-2.25)	04/05/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-261	SB-R-K8-01	SB-R-K8-01(4.0-4.5)	04/05/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-273	SB-R-K8-03	SB-R-K8-03(0.5-1.0)	04/06/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-273	SB-R-K8-03	TP-R-K8-03(6.0-6.5)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-276	SB-R-K8-04	SB-R-K8-04(0.5-1.0)	04/12/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-276	SB-R-K8-04	TP-R-K8-04(6.0-6.5)	07/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-284	SB-R-K9-01	SB-R-K9-01(0.5-1.0)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-284	SB-R-K9-01	SB-R-K9-01(1.0-1.5)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-265	SB-R-K9-02	SB-R-K9-02(0.5-1.0)	04/05/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-265	SB-R-K9-02	SB-R-K9-02(4.5-5.0)	04/05/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-268	SB-R-K9-03	SB-R-K9-03(0.5-1.0)	04/05/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-268	SB-R-K9-03	TP-R-K9-03(4.5-5.0)	07/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-280	SB-R-K9-04	SB-R-K9-04(0.5-1.0)	04/05/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-280	SB-R-K9-04	TP-R-K9-04(5.0-5.5)	07/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-285	SB-R-L7-01	SB-R-L7-01(0.5-1.0)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-285	SB-R-L7-01	SB-R-L7-01(2.0-2.5)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-301	SB-R-L7-03	SB-R-L7-03(0.5-1.0)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-301	SB-R-L7-03	SB-R-L7-03(4.0-4.5)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-297	SB-R-L7-04	SB-R-L7-04(0.5-1.0)	04/13/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-297	SB-R-L7-04	SB-R-L7-04(1.5-2.0)	04/13/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	STORAGE	Grid-Based	R-292	SB-R-L8-01	SB-R-L8-01(0.5-1.0)	03/30/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-292	SB-R-L8-01	SB-R-L8-01(1.0-1.5)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-304	SB-R-L8-02	SB-R-L8-02(0.5-1.0)	04/06/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-304	SB-R-L8-02	SB-R-L8-02(4.5-5.0)	04/06/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-304	SB-R-L8-02	TP-R-L8-02(9.5-10.0)	07/26/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-289	SB-R-L8-03	SB-R-L8-03(0.5-1.0)	04/06/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-289	SB-R-L8-03	SB-R-L8-03(4.0-4.5)	04/06/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-289	SB-R-L8-03	TP-R-L8-03(9.5-10.0)	07/26/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-306	SB-R-L8-04	SB-R-L8-04(0.5-1.0)	04/12/06	X	X	X	X	X	-	Y	-	-	-
AREA I	STORAGE	Grid-Based	R-306	SB-R-L8-04	SB-R-L8-04(6.5-7.0)	04/12/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-296	SB-R-L9-02	SB-R-L9-02(0.5-1.0)	03/30/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-296	SB-R-L9-02	SB-R-L9-02(1.0-1.5)	03/30/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-296	SB-R-L9-02	TP-R-L9-02(6.0-6.5)	07/27/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-313	SB-R-M7-01	SB-R-M7-01(0.5-1.0)	04/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-313	SB-R-M7-01	TP-R-M7-01(7.0-7.5)	07/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-327	SB-R-M7-02	SB-R-M7-02(0.5-1.0)	04/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-327	SB-R-M7-02	SB-R-M7-02(4.5-5.0)	04/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-323	SB-R-M7-03	SB-R-M7-03(0.75-1.25)	04/27/06	X	X	X	X	X	-	Y	-	-	-
AREA I	STORAGE	Grid-Based	R-323	SB-R-M7-03	SB-R-M7-03(6.0-6.5)	04/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-317	SB-R-M8-01	SB-R-M8-01(0.5-1.0)	04/06/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-317	SB-R-M8-01	SB-R-M8-01(4.5-5.0)	04/06/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-317	SB-R-M8-01	TP-R-M8-01(9.0-9.5)	07/26/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-336	SB-R-N4-01	SB-R-N4-01(1.5-2.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-336	SB-R-N4-01	SB-R-N4-01(6.0-6.5)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-339	SB-R-N4-02	SB-R-N4-02(4.0-4.5)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-339	SB-R-N4-02	TP-R-N4-02(0.5-1.0)	08/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-342	SB-R-N5-02	SB-R-N5-02(0.5-1.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-342	SB-R-N5-02	SB-R-N5-02(6.0-6.5)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-334	SB-R-N6-01	SB-R-N6-01(0.5-1.0)	04/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-334	SB-R-N6-01	SB-R-N6-01(4.0-4.5)	04/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-331	SB-R-N6-02	TP-R-N6-02(1.0-1.5)	08/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-331	SB-R-N6-02	TP-R-N6-02(6.0-6.5)	08/03/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-353	SB-R-N7-01	SB-R-N7-01(0.5-1.0)	04/17/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-353	SB-R-N7-01	SB-R-N7-01(4.0-4.5)	04/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-341	SB-R-N7-02	SB-R-N7-02(1.0-1.5)	04/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-341	SB-R-N7-02	SB-R-N7-02(6.5-7.0)	04/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-338	SB-R-N7-03	SB-R-N7-03(1.0-1.5)	04/27/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-338	SB-R-N7-03	TP-R-N7-03(7.0-7.5)	07/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-354	SB-R-O5-01	SB-R-O5-01(0.5-1.0)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-354	SB-R-O5-01	SB-R-O5-01(5.5-6.0)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-362	SB-R-O5-02	SB-R-O5-02(1.0-1.5)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-362	SB-R-O5-02	SB-R-O5-02(5.5-6.0)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-365	SB-R-O5-03	SB-R-O5-03(0.5-1.0)	04/27/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	STORAGE	Grid-Based	R-365	SB-R-O5-03	SB-R-O5-03(2.0-2.5)	04/27/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-351	SB-R-O5-04	SB-R-O5-04(0.5-1.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-351	SB-R-O5-04	SB-R-O5-04(4.0-4.5)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-370	SB-R-O6-01	SB-R-O6-01(0.5-1.0)	04/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-370	SB-R-O6-01	SB-R-O6-01(2.0-2.5)	04/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-368	SB-R-O6-02	SB-R-O6-02(0.5-1.0)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-368	SB-R-O6-02	SB-R-O6-02(4.0-4.5)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-361	SB-R-O7-01	SB-R-O7-01(1.0-1.5)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-361	SB-R-O7-01	SB-R-O7-01(2.5-3.0)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-364	SB-R-O7-02	SB-R-O7-02(0.5-1.0)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-364	SB-R-O7-02	SB-R-O7-02(2.5-3.0)	04/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-375	SB-R-O7-03	SB-R-O7-03(1.0-1.5)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-375	SB-R-O7-03	SB-R-O7-03(4.0-4.5)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-375	SB-R-O7-03	TP-R-O7-03(8.0-8.5)	08/04/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-372	SB-R-O7-04	SB-R-O7-04(0.5-1.0)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-372	SB-R-O7-04	SB-R-O7-04(4.0-4.5)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-372	SB-R-O7-04	TP-R-O7-04(8.0-8.5)	08/07/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-367	SB-R-O8-01	SB-R-O8-01(0.5-1.0)	04/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-367	SB-R-O8-01	SB-R-O8-01(4.0-4.5)	04/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-376	SB-R-P5-01	SB-R-P5-01(0.5-1.0)	04/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-376	SB-R-P5-01	SB-R-P5-01(4.0-4.5)	04/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-373	SB-R-P5-02	SB-R-P5-02(0.5-1.0)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-373	SB-R-P5-02	SB-R-P5-02(4.0-4.5)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-383	SB-R-P5-03	SB-R-P5-03(0.5-1.0)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-383	SB-R-P5-03	SB-R-P5-03(2.0-2.5)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-385	SB-R-P5-04	SB-R-P5-04(0.5-1.0)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-385	SB-R-P5-04	SB-R-P5-04(2.0-2.5)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-388	SB-R-P6-01	SB-R-P6-01(0.5-1.0)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-388	SB-R-P6-01	SB-R-P6-01(4.0-4.5)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-388	SB-R-P6-01	TP-R-P6-01(8.0-8.5)	08/04/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-380	SB-R-P6-02	SB-R-P6-02(1.0-1.5)	04/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-380	SB-R-P6-02	SB-R-P6-02(2.0-2.5)	04/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-378	SB-R-P6-03	SB-R-P6-03(0.5-1.0)	04/25/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-378	SB-R-P6-03	SB-R-P6-03(2.0-2.5)	04/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-387	SB-R-P6-04	SB-R-P6-04(0.67-1.17)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-387	SB-R-P6-04	SB-R-P6-04(2.5-3.0)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-384	SB-R-P7-01	SB-R-P7-01(0.5-1.0)	04/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-384	SB-R-P7-01	SB-R-P7-01(2.5-3.0)	04/18/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	STORAGE	Grid-Based	R-384	SB-R-P7-01	TP-R-P7-01(6.5-7.0)	08/04/06	NA	X	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-389	SB-R-P7-02	SB-R-P7-02(0.5-1.0)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-389	SB-R-P7-02	SB-R-P7-02(4.0-4.5)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-389	SB-R-P7-02	TP-R-P7-02(8.0-8.5)	08/07/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-382	SB-R-P7-03	SB-R-P7-03(0.5-1.0)	04/18/06	X	X	X	X	X	-	-	Y	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	STORAGE	Grid-Based	R-382	SB-R-P7-03	SB-R-P7-03(4.0-4.5)	04/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-382	SB-R-P7-03	TP-R-P7-03(8.0-8.5)	08/07/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-390	SB-R-Q5-01	SB-R-Q5-01(0.5-1.0)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-390	SB-R-Q5-01	SB-R-Q5-01(2.0-2.5)	04/26/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-394	SB-R-Q6-01	SB-R-Q6-01(0.5-1.0)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-394	SB-R-Q6-01	SB-R-Q6-01(4.0-4.5)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-398	SB-R-Q6-02	SB-R-Q6-02(0.5-1.0)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-398	SB-R-Q6-02	SB-R-Q6-02(2.0-2.5)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-393	SB-R-Q6-03	SB-R-Q6-03(0.5-1.0)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-393	SB-R-Q6-03	SB-R-Q6-03(1.5-2.0)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-397	SB-R-Q6-04	SB-R-Q6-04(0.5-1.0)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-397	SB-R-Q6-04	SB-R-Q6-04(4.0-4.5)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-399	SB-R-Q7-01	SB-R-Q7-01(0.5-1.0)	04/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-399	SB-R-Q7-01	SB-R-Q7-01(5.5-6.0)	04/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-395	SB-R-Q7-02	SB-R-Q7-02(0.5-1.0)	06/28/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-401	SB-R-R6-01	SB-R-R6-01(1.0-1.5)	04/25/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-401	SB-R-R6-01	SB-R-R6-01(2.0-2.5)	04/25/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-400	SB-R-R6-02	SB-R-R6-02(0.5-1.0)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-400	SB-R-R6-02	SB-R-R6-02(4.0-4.5)	04/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-403	SB-R-R6-03	SB-R-R6-03(0.5-1.0)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-403	SB-R-R6-03	SB-R-R6-03(1.5-2.0)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-404	SB-R-R7-01	SB-R-R7-01(0.5-1.0)	04/25/06	X	X	X	X	X	-	Y	Y	-	-
AREA I	STORAGE	Grid-Based	R-404	SB-R-R7-01	TP-R-R7-01(4.5-5.0)	08/04/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-402	SB-R-R7-02	SB-R-R7-02(0.5-1.0)	04/25/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-402	SB-R-R7-02	SB-R-R7-02(2.0-2.5)	04/24/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	Grid-Based	R-402	SB-R-R7-02	TP-R-R7-02(6.0-6.5)	08/04/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-405	SB-R-S7-01	SB-R-S7-01(0.5-1.0)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	Grid-Based	R-405	SB-R-S7-01	SB-R-S7-01(1.5-2.0)	05/01/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-J10-2166-1	TP-R-J10-2166-1(1.5-2.0)	07/31/06	NA	X	NA	X	NA	-	Y	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-J10-2166-1	TP-R-J10-2166-1(10.5-11.0)	07/31/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-J10-2166-2	TP-R-J10-2166-2(1.5-2.0)	07/31/06	NA	X	NA	X	NA	-	Y	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-J10-2166-2	TP-R-J10-2166-2(9.5-10.0)	07/31/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-J10-2166-3	TP-R-J10-2166-3(1.5-2.0)	07/31/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-J10-2166-3	TP-R-J10-2166-3(11.5-12.0)	07/31/06	NA	X	NA	X	NA	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-1	TP-R-N6-1-1(1.5-2.0)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-1	TP-R-N6-1-1(4.0-4.5)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-1	TP-R-N6-1-1(7.5-8.0)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-11	TP-R-N6-1-11(1.5-2.0)	07/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-11	TP-R-N6-1-11(4.0-4.5)	07/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-11	TP-R-N6-1-11(9.5-10.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-12	TP-R-N6-1-12(1.5-2.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-12	TP-R-N6-1-12(8.5-9.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-13	TP-R-N6-1-13(1.5-2.0)	07/19/06	X	X	X	X	X	-	-	-	-	-

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Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-13	TP-R-N6-1-13(5.0-5.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-13	TP-R-N6-1-13(6.5-7.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-13	TP-R-N6-1-13(9.5-10.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-14	TP-R-N6-1-14(1.5-2.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-14	TP-R-N6-1-14(11.0-11.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-15	TP-R-N6-1-15(1.5-2.0)	07/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-15	TP-R-N6-1-15(10.0-10.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-16	TP-R-N6-1-16(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-16	TP-R-N6-1-16(9.5-10.0)	07/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-17	TP-R-N6-1-17(1.5-2.0)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-17	TP-R-N6-1-17(13.0-13.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-17	TP-R-N6-1-17(18.0-18.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-18	TP-R-N6-1-18(1.5-2.0)	07/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-18	TP-R-N6-1-18(16.0-16.5)	07/19/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-18	TP-R-N6-1-18(8.5-9.0)	07/19/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-19	TP-R-N6-1-19(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-19	TP-R-N6-1-19(3.0-3.5)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-19	TP-R-N6-1-19(9.0-9.5)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-2	TP-R-N6-1-2(1.5-2.0)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-2	TP-R-N6-1-2(13.5-14.0)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-2	TP-R-N6-1-2(7.5-8.0)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-20	TP-R-N6-1-20(1.5-2.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-20	TP-R-N6-1-20(10.0-10.5)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-20	TP-R-N6-1-20(19.5-20.0)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-21	TP-R-N6-1-21(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-21	TP-R-N6-1-21(9.5-10.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-22	TP-R-N6-1-22(1.5-2.0)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-22	TP-R-N6-1-22(14.5-15.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-22	TP-R-N6-1-22(4.5-5.0)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-23	TP-R-N6-1-23(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-23	TP-R-N6-1-23(5.5-6.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-23	TP-R-N6-1-23(8.5-9.0)	07/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-24	TP-R-N6-1-24(13.5-14.0)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-24	TP-R-N6-1-24(2.0-2.5)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-24	TP-R-N6-1-24(4.5-5.0)	07/20/06	X	X	X	X	X	-	-	Y	-	Y
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-25	TP-R-N6-1-25(1.5-2.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-25	TP-R-N6-1-25(11.5-12.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-25	TP-R-N6-1-25(20.5-21.0)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-26	TP-R-N6-1-26(1.5-2.0)	07/20/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-26	TP-R-N6-1-26(16.5-17.0)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-26	TP-R-N6-1-26(5.5-6.0)	07/20/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-27	TP-R-N6-1-27(1.5-2.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-27	TP-R-N6-1-27(11.5-12.0)	07/21/06	X	X	X	X	X	-	-	-	-	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-27	TP-R-N6-1-27(5.5-6.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-28	TP-R-N6-1-28(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-28	TP-R-N6-1-28(7.0-7.5)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-29	TP-R-N6-1-29(1.5-2.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-29	TP-R-N6-1-29(15.5-16.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-29	TP-R-N6-1-29(6.5-7.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-3	TP-R-N6-1-3(1.5-2.0)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-3	TP-R-N6-1-3(3.0-3.5)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-3	TP-R-N6-1-3(8.0-8.5)	07/17/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-30	TP-R-N6-1-30(1.5-2.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-30	TP-R-N6-1-30(13.5-14.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-31	TP-R-N6-1-31(1.5-2.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-31	TP-R-N6-1-31(14.0-14.5)	07/21/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-31	TP-R-N6-1-31(5.5-6.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-32	TP-R-N6-1-32(1.5-2.0)	07/21/06	X	X	X	X	X	-	Y	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-32	TP-R-N6-1-32(14.5-15.0)	07/21/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-32	TP-R-N6-1-32(7.0-7.5)	07/21/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-33	TP-R-N6-1-33(1.5-2.0)	07/24/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-33	TP-R-N6-1-33(13.5-14.0)	07/24/06	X	X	X	X	X	-	Y	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-33	TP-R-N6-1-33(6.5-7.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-34	TP-R-N6-1-34(1.5-2.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-34	TP-R-N6-1-34(12.5-13.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-35	TP-R-N6-1-35(1.5-2.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-35	TP-R-N6-1-35(11.5-12.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-36	TP-R-N6-1-36(1.5-2.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-36	TP-R-N6-1-36(15.5-16.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-37	TP-R-N6-1-37(1.5-2.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-37	TP-R-N6-1-37(12.5-13.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-

Table B2-2

Soil Sampling and Analysis Plan with Exceedance Summary - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-38	TP-R-N6-1-38(1.5-2.0)	07/24/06	X	X	X	X	X	-	Y	-	Y	Y
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-38	TP-R-N6-1-38(15.5-16.0)	07/24/06	X	X	X	X	X	-	-	-	Y	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-4	TP-R-N6-1-4(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-4	TP-R-N6-1-4(8.0-8.5)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-6	TP-R-N6-1-6(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-6	TP-R-N6-1-6(8.0-8.5)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-7	TP-R-N6-1-7(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-7	TP-R-N6-1-7(10.5-11.0)	07/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-8	TP-R-N6-1-8(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	Y	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-8	TP-R-N6-1-8(8.0-8.5)	07/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-9	TP-R-N6-1-9(1.5-2.0)	07/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-9	TP-R-N6-1-9(4.0-4.5)	07/18/06	X	X	X	X	X	-	-	-	-	-
AREA I	STORAGE	SI AOC Rsvd for RI	-	TP-R-N6-1-9	TP-R-N6-1-9(8.0-8.5)	07/18/06	X	X	X	X	X	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
SB = Soil boring
TP = Test pit
* = Preliminary Location ID was established in the Remedial Investigation Work Plan
X = Sample was submitted for laboratory analysis for analytical group indicated on table
Y = Sample was identified by laboratory analysis at concentrations exceeding the IGWSCC/RDCSCC/NRDCSCC for analytical group indicated on table
SI = Site Investigation
RI = Remedial Investigation
AOC = Area of Concern
SI AOC Rsvd for RI = These samples were collected from SI AOCs Reserved for the RI
SI AOC Vertical = These samples were collected for vertical delineation from SI AOC-based locations where SI samples collected at depths greater than 2-ft. bgs indicated applicable soil residential cleanup criteria exceedances.
Area I AOC-Based = These samples were collected following the Area I RIWP.

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE J11-2188-10 TP-R-J11-2188-10(8.0-8.5) 08/10/06	AREA I B-LINE L11-2089-06 TP-R-L11-2089-06(13.0-13.5) 08/10/06	AREA I B-LINE SB-R-I11-01 SB-R-I11-01(1.5-2.0) 03/22/06	AREA I B-LINE SB-R-I11-01 SB-R-I11-01(4.5-5.0) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	4300 U	3700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	1100 U	940 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	1100 U	940 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	1100 U	940 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	1100 U	940 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2100 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	180 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	180 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	180 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	180 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	180 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	350 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	180 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	180 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	180 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	180 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	180 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	2.34 UJ	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	2.53	1.99 J
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	0.739	0.894
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	0.584 U	0.543 U
METALS	COPPER	MG/KG	NS	600	600	NA	NA	8.56 J	17.8 J
METALS	LEAD	MG/KG	NS	400	600	NA	NA	19.7 J	5.92 J
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	0.0262 J	0.108 U
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	8.16	11.2
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	2.34 U	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	0.278 J	0.361 J
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.34 UJ	2.17 UJ
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	93.0	61.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	NA	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	NA	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	NA	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 U	NA	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	NA	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	NA	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	NA	7100 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	NA	880 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE J11-2188-10 TP-R-J11-2188-10(8.0-8.5) 08/10/06	AREA I B-LINE L11-2089-06 TP-R-L11-2089-06(13.0-13.5) 08/10/06	AREA I B-LINE SB-R-I11-01 SB-R-I11-01(1.5-2.0) 03/22/06	AREA I B-LINE SB-R-I11-01 SB-R-I11-01(4.5-5.0) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J11-01 SB-R-J11-01(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-J11-01 SB-R-J11-01(5.5-6.0) 03/22/06	AREA I B-LINE SB-R-J11-02 SB-R-J11-02(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-J11-02 SB-R-J11-02(5.0-5.5) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2600 U	2700 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	650 U	680 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	650 U	680 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	650 U	680 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	650 U	680 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	110 J	190 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	120 J	190 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200	190 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	86 J	190 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	190 J	370 U	360 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	140 J	190 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	320	190 U	1200	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	89 J	190 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	45 J	190 U	86 J	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.34 UJ	2.18 UJ	2.14 UJ	2.29 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.25	2.39	2.04 J	2.13 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.582 J	0.780	0.629	0.976
METALS	CADMIUM	MG/KG	NS	39	100	0.129 J	0.544 U	0.118 J	0.572 U
METALS	COPPER	MG/KG	NS	600	600	22.0 J	11.0 J	18.3 J	15.1 J
METALS	LEAD	MG/KG	NS	400	600	45.9 J	10.3 J	23.9 J	7.13 J
METALS	MERCURY	MG/KG	NS	14	270	0.0721 J	0.0361 J	0.0282 J	0.111 U
METALS	NICKEL	MG/KG	NS	250	2400	8.13	9.39	6.00	12.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.34 U	1.32 J	2.14 U	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	0.289 J	0.253 J	0.282 J	0.266 J
METALS	THALLIUM	MG/KG	NS	2	2	2.34 UJ	2.18 UJ	2.14 UJ	2.29 UJ
METALS	ZINC	MG/KG	NS	1500	1500	54.8	69.2	57.2	53.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	330 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	330 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	330 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	330 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	330 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	110000 J	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6700 U	6600 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	840 U	820 U	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J11-01 SB-R-J11-01(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-J11-01 SB-R-J11-01(5.5-6.0) 03/22/06	AREA I B-LINE SB-R-J11-02 SB-R-J11-02(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-J11-02 SB-R-J11-02(5.0-5.5) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	61	19 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22	19 U	12 J	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	83	19 U	12 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J11-03 SB-R-J11-03(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-J11-03 SB-R-J11-03(2.0-2.5) 03/22/06	AREA I B-LINE SB-R-J12-01 SB-R-J12-01(1.0-1.5) 03/22/06	AREA I B-LINE SB-R-J12-01 SB-R-J12-01(4.5-5.0) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2700 U	3500 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	680 U	880 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	680 U	880 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	680 U	880 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	680 U	880 U	750
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 J	200 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	74 J	200 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	93 J	200 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	130 J	200 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	48 J	200 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	400 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	97 J	200 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	91 J	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	61 J	200 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.42 UJ	2.39 UJ	2.30 UJ	2.20 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.03	3.87	3.96	4.84
METALS	BERYLLIUM	MG/KG	NS	2	2	0.671	0.881	0.613	0.735
METALS	CADMIUM	MG/KG	NS	39	100	0.240 J	0.599 U	0.132 J	0.549 U
METALS	COPPER	MG/KG	NS	600	600	15.8 J	13.3 J	14.6 J	11.0 J
METALS	LEAD	MG/KG	NS	400	600	32.0 J	8.80 J	21.7 J	6.61 J
METALS	MERCURY	MG/KG	NS	14	270	0.0585 J	0.0717 J	0.0175 J	0.0040 J
METALS	NICKEL	MG/KG	NS	250	2400	10.6	15.7	11.3	11.5
METALS	SELENIUM	MG/KG	NS	63	3100	2.42 U	2.39 U	2.30 U	2.20 U
METALS	SILVER	MG/KG	NS	110	4100	0.287 J	0.405 J	0.575 U	0.356 J
METALS	THALLIUM	MG/KG	NS	2	2	2.42 UJ	2.39 UJ	2.30 UJ	2.20 UJ
METALS	ZINC	MG/KG	NS	1500	1500	93.2	50.9	64.5	45.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	360 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	360 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	360 U	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	360 U	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	360 U	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	49000 J	150000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 U	7300 U	7000 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	910 U	880 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	21 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	21 U	20 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J11-03 SB-R-J11-03(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-J11-03 SB-R-J11-03(2.0-2.5) 03/22/06	AREA I B-LINE SB-R-J12-01 SB-R-J12-01(1.0-1.5) 03/22/06	AREA I B-LINE SB-R-J12-01 SB-R-J12-01(4.5-5.0) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	21 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	21 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	21 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	10 J	21 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	5.4 J	21 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	15.4 J	21 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J12-02 SB-R-J12-02(1.0-1.5) 03/22/06	AREA I B-LINE SB-R-J12-02 SB-R-J12-02(6.5-7.0) 03/22/06	AREA I B-LINE SB-R-K10-01 SB-R-K10-01(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-K10-01 SB-R-K10-01(5.5-6.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2500 U	3300 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	630 U	810 U	780 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	630 U	810 U	780 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	630 U	810 U	780 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	630 U	810 U	780 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	210 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2100 U	2500 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	210 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	210 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	210 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	210 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	210 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	210 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	350 U	87 J	130 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	210 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	210 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	210 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	210 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	210 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	210 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	210 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.17 UJ	2.13 UJ	2.51 UJ	2.08 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.10	1.17 J	5.81	3.00
METALS	BERYLLIUM	MG/KG	NS	2	2	0.323 J	0.216 J	0.832	0.935
METALS	CADMIUM	MG/KG	NS	39	100	0.543 U	0.532 U	0.910	0.901
METALS	COPPER	MG/KG	NS	600	600	21.9 J	3.96 J	12.6	18.5
METALS	LEAD	MG/KG	NS	400	600	20.0 J	2.34 J	9.76	3.68
METALS	MERCURY	MG/KG	NS	14	270	0.0257 J	0.101 U	0.0198 B	0.0067 B
METALS	NICKEL	MG/KG	NS	250	2400	8.59	4.03	13.0	6.98
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 U	2.13 U	1.35 J	2.08 U
METALS	SILVER	MG/KG	NS	110	4100	0.543 U	0.532 U	0.628 UJ	0.520 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.17 UJ	2.13 UJ	2.51 UJ	2.08 UJ
METALS	ZINC	MG/KG	NS	1500	1500	32.5	18.4	64.2	50.2
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	320 U	380 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	320 U	380 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	320 U	380 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	320 U	380 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	320 U	380 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	150000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	6400 U	7500 U	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	800 U	940 U	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J12-02 SB-R-J12-02(1.0-1.5) 03/22/06	AREA I B-LINE SB-R-J12-02 SB-R-J12-02(6.5-7.0) 03/22/06	AREA I B-LINE SB-R-K10-01 SB-R-K10-01(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-K10-01 SB-R-K10-01(5.5-6.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	21 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K10-02 SB-R-K10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-K10-02 SB-R-K10-02(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(0.5-1.0) 04/13/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(4.0-4.5) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3000 U	3100 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	790 U	750 U	770 U	650 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 U	750 U	770 U	650 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 U	750 U	770 U	650 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 U	750 U	770 U	650 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	180 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2200 U	2400 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	180 U	200 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	180 U	200 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	180 U	200 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	180 U	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	180 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	370 U	400 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	180 U	200 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	180 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	180 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	180 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	180 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	180 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	180 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.40 UJ	2.17 UJ	2.42 UJ	2.02 UJ
METALS	ARSENIC	MG/KG	NS	20	20	6.07	14.5	6.25	1.52 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.802	0.673	0.864	0.798
METALS	CADMIUM	MG/KG	NS	39	100	3.00 U	2.71 U	0.847 J	2.55 U
METALS	COPPER	MG/KG	NS	600	600	12.3	16.7	12.0	13.7
METALS	LEAD	MG/KG	NS	400	600	10.0 J	12.8	11.2	2.51
METALS	MERCURY	MG/KG	NS	14	270	0.0423 J	0.0316 J	0.0476 J	0.0095 J
METALS	NICKEL	MG/KG	NS	250	2400	15.4	14.1	15.2	8.39
METALS	SELENIUM	MG/KG	NS	63	3100	2.96	10.8 U	2.42 U	2.02 U
METALS	SILVER	MG/KG	NS	110	4100	0.599 U	0.542 U	0.319 J	0.302 J
METALS	THALLIUM	MG/KG	NS	2	2	2.58	10.8 U	2.23 J	1.05 J
METALS	ZINC	MG/KG	NS	1500	1500	76.8 J	50.0	58.0	46.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	330 UJ	360 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	330 UJ	360 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	330 UJ	360 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 UJ	330 UJ	360 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 UJ	330 UJ	360 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	130000 U	150000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 UJ	6600 UJ	7200 U	6300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	930 UJ	830 UJ	910 U	790 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	21 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	21 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K10-02 SB-R-K10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-K10-02 SB-R-K10-02(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(0.5-1.0) 04/13/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(4.0-4.5) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	21 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	21 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	21 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	19 U	21 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	19 U	21 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	19 U	21 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K11-01 SB-R-K11-01(0.8-1.4) 03/22/06	AREA I B-LINE SB-R-K11-01 SB-R-K11-01(5.0-5.5) 03/22/06	AREA I B-LINE SB-R-K11-02 SB-R-K11-02(1.5-2.0) 03/22/06	AREA I B-LINE SB-R-K11-02 SB-R-K11-02(4.0-4.5) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	2800 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	760 U	710 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	760 U	710 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	760 U	710 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	760 U	710 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	100 J	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 UJ	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	130 J	190 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	70 J	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	85 J	380 U	380 U	82 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2800	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 UJ	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	93 J	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	50 J	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1100	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.20 J	2.21 UJ	2.26 UJ	2.21 UJ
METALS	ARSENIC	MG/KG	NS	20	20	13.8	1.77 J	3.07	1.39 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.640	0.690	0.677	1.06
METALS	CADMIUM	MG/KG	NS	39	100	0.557 U	0.101 J	0.565 U	0.552 U
METALS	COPPER	MG/KG	NS	600	600	62.0 J	13.4 J	23.6 J	29.1 J
METALS	LEAD	MG/KG	NS	400	600	34.6 J	6.24 J	10.8 J	8.99 J
METALS	MERCURY	MG/KG	NS	14	270	0.0536 J	0.110 U	0.0156 J	0.0033 J
METALS	NICKEL	MG/KG	NS	250	2400	27.5	10.6	12.8	15.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.23 U	2.21 U	2.26 U	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.426 J	0.342 J	0.379 J	0.383 J
METALS	THALLIUM	MG/KG	NS	2	2	2.23 UJ	2.21 UJ	2.26 UJ	2.21 UJ
METALS	ZINC	MG/KG	NS	1500	1500	169	48.5	75.4	64.2
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	340 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	340 U	340 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	340 U	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	220000	140000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	23000	6900 U	6800 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	860 U	850 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K11-01 SB-R-K11-01(0.8-1.4) 03/22/06	AREA I B-LINE SB-R-K11-01 SB-R-K11-01(5.0-5.5) 03/22/06	AREA I B-LINE SB-R-K11-02 SB-R-K11-02(1.5-2.0) 03/22/06	AREA I B-LINE SB-R-K11-02 SB-R-K11-02(4.0-4.5) 03/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	5.5 J	19 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	6.0 J	19 U	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	11.5 J	19 U	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K11-03 SB-R-K11-03(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-K11-03 SB-R-K11-03(4.0-4.5) 03/23/06	AREA I B-LINE SB-R-K11-04 SB-R-K11-04(0.75-1.25) 03/23/06	AREA I B-LINE SB-R-K11-04 SB-R-K11-04(2.0-2.5) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	3200 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	690 U	800 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	690 U	800 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	690 U	800 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	690 U	800 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	390 U	190 U	210 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	4700 U	2300 U	2600 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	390 U	190 U	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	390 U	190 U	210 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	140 J	190 U	210 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	420	190 U	110 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 J	190 U	210 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	390 U	190 U	210 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	190 J	390 U	430 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	120 J	190 U	75 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	17000 J	190 U	120 J	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	390 U	190 U	210 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	160 J	190 U	210 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 J	190 U	210 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	390 U	190 U	210 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3800 J	190 U	210 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.34 UJ	2.29 UJ	2.55 UJ	2.42 UJ
METALS	ARSENIC	MG/KG	NS	20	20	6.47	4.30	8.16	6.09
METALS	BERYLLIUM	MG/KG	NS	2	2	0.568 J	0.777	0.774	0.779
METALS	CADMIUM	MG/KG	NS	39	100	0.183 J	0.696	1.04	1.06
METALS	COPPER	MG/KG	NS	600	600	28.1 J	13.7	19.0	15.5
METALS	LEAD	MG/KG	NS	400	600	24.4 J	5.52	58.6	9.21
METALS	MERCURY	MG/KG	NS	14	270	0.0321 J	0.0204 JB	0.0999 J	0.0664 B
METALS	NICKEL	MG/KG	NS	250	2400	12.5	11.6	11.6	14.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.34 U	2.29 U	1.98 J	1.21 J
METALS	SILVER	MG/KG	NS	110	4100	0.243 J	0.573 UJ	0.636 UJ	0.604 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.34 UJ	2.29 UJ	2.55 UJ	2.42 UJ
METALS	ZINC	MG/KG	NS	1500	1500	92.9	43.7	84.6	63.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	390 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	350 U	390 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	390 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	350 U	390 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	350 U	390 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	110000 J	140000 UJ	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	150000 J	6900 U	7700 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	870 U	960 U	910 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	22 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	22 U	21 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-K11-03 SB-R-K11-03(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-K11-03 SB-R-K11-03(4.0-4.5) 03/23/06	AREA I B-LINE SB-R-K11-04 SB-R-K11-04(0.75-1.25) 03/23/06	AREA I B-LINE SB-R-K11-04 SB-R-K11-04(2.0-2.5) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	22 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	22 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	22 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	22 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	22 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	22 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L10-01 SB-R-L10-01(0.25-0.75) 03/23/06	AREA I B-LINE SB-R-L10-01 SB-R-L10-01(1.5-2.0) 03/23/06	AREA I B-LINE SB-R-L10-02 SB-R-L10-02(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-L10-02 SB-R-L10-02(5.0-5.5) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2700 U	2800 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	670 U	700 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	670 U	700 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	670 U	700 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	670 U	700 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	200 U	190 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2400 U	2300 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	200 U	190 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	200 U	170 J	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	200 U	210	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	200 U	380	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	200 U	140 J	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	200 U	190 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	95 J	400 U	380 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	200 U	250	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	200 U	320	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	200 U	190 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	200 U	190 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	200 U	160 J	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	200 U	190 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	200 U	190 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.39 UJ	2.40 UJ	2.27 UJ	2.05 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.57	6.57	5.26	1.80 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.774	0.789	0.556 J	0.530
METALS	CADMIUM	MG/KG	NS	39	100	0.880	1.07	0.955	0.758
METALS	COPPER	MG/KG	NS	600	600	12.1	14.7	22.2	13.5
METALS	LEAD	MG/KG	NS	400	600	17.3	10.5	57.5	2.60
METALS	MERCURY	MG/KG	NS	14	270	0.0418 B	0.0663 B	0.104 B	0.0110 B
METALS	NICKEL	MG/KG	NS	250	2400	12.5	15.4	9.25	7.52
METALS	SELENIUM	MG/KG	NS	63	3100	2.39 U	2.40 U	1.17 J	2.05 U
METALS	SILVER	MG/KG	NS	110	4100	0.597 UJ	0.600 UJ	0.568 UJ	0.513 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.39 UJ	2.40 UJ	2.27 UJ	2.05 UJ
METALS	ZINC	MG/KG	NS	1500	1500	58.9	119	111	114
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	360 U	340 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	360 U	340 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	360 U	340 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	360 U	340 U	310 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	360 U	340 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 U	140000 U	120000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7500 U	7200 U	6900 U	6200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	930 U	900 U	860 U	780 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L10-01 SB-R-L10-01(0.25-0.75) 03/23/06	AREA I B-LINE SB-R-L10-01 SB-R-L10-01(1.5-2.0) 03/23/06	AREA I B-LINE SB-R-L10-02 SB-R-L10-02(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-L10-02 SB-R-L10-02(5.0-5.5) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	17 J	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	20 U	9.6 J	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	20 U	26.6 J	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L10-03 SB-R-L10-03(0.5-1.0) 04/12/06	AREA I B-LINE SB-R-L10-03 TP-R-L10-03(5.5-6.0) 07/27/06	AREA I B-LINE SB-R-L10-04 SB-R-L10-04(0.5-1.0) 04/12/06	AREA I B-LINE SB-R-L10-04 SB-R-L10-04(4.0-4.5) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	3200 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 U	700 U	810 U	630 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 U	700 U	810 U	630 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 U	700 U	810 U	630 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 U	700 U	810 U	630 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	180 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2100 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	180 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	180 U	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	180 U	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	180 U	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	180 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	180 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	350 U	370 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	180 U	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	180 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	180 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	180 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	180 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	180 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	180 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.16 UJ	2.05 UJ	2.17 UJ	2.03 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.83	4.55	4.99	1.92 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.670	0.701	0.642	0.690
METALS	CADMIUM	MG/KG	NS	39	100	2.70 U	0.480 J	2.72 U	2.54 U
METALS	COPPER	MG/KG	NS	600	600	12.3	27.9	11.4	14.6
METALS	LEAD	MG/KG	NS	400	600	7.99	4.07	9.87	2.92
METALS	MERCURY	MG/KG	NS	14	270	0.0255 J	0.0148 J	0.0173 J	0.104 U
METALS	NICKEL	MG/KG	NS	250	2400	12.6	7.98 J	8.50	8.41
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 U	2.05 U	2.17 U	2.03 U
METALS	SILVER	MG/KG	NS	110	4100	0.268 J	0.512 U	0.543 U	0.218 J
METALS	THALLIUM	MG/KG	NS	2	2	1.43 J	2.05 U	1.15 J	2.03 U
METALS	ZINC	MG/KG	NS	1500	1500	52.0	46.8 J	39.5	66.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	320 U	330 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	320 U	330 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	320 U	330 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	630 U	330 U	310 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	320 U	330 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	130000 U	120000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	6300 U	6700 U	6200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	790 UJ	830 U	780 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L10-03 SB-R-L10-03(0.5-1.0) 04/12/06	AREA I B-LINE SB-R-L10-03 TP-R-L10-03(5.5-6.0) 07/27/06	AREA I B-LINE SB-R-L10-04 SB-R-L10-04(0.5-1.0) 04/12/06	AREA I B-LINE SB-R-L10-04 SB-R-L10-04(4.0-4.5) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L11-01 SB-R-L11-01(1.0-1.5) 03/23/06	AREA I B-LINE SB-R-L11-01 SB-R-L11-01(4.0-4.5) 03/23/06	AREA I B-LINE SB-R-L11-02 SB-R-L11-02(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-L11-02 SB-R-L11-02(6.5-7.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2500 U	2600 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	640 U	650 U	800 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	640 U	650 U	800 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	640 U	650 U	800 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	640 U	650 U	800 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2100 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	600	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	10000	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	8400	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	12000	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	4400	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	360 U	100 J	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	8400	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1400	180 U	1200	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	1600	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	160 J	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	5400	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	130 J	180 U	330	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.11 UJ	2.08 UJ	2.14 UJ	2.21 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.77	2.91	20.0	3.21
METALS	BERYLLIUM	MG/KG	NS	2	2	0.719	0.456 J	0.560	0.450 J
METALS	CADMIUM	MG/KG	NS	39	100	0.527 U	0.519 U	0.968	0.580
METALS	COPPER	MG/KG	NS	600	600	16.3 J	8.79 J	41.0	11.4
METALS	LEAD	MG/KG	NS	400	600	7.52 J	4.52 J	41.8	12.9
METALS	MERCURY	MG/KG	NS	14	270	0.0053 J	0.0027 J	0.0316 B	0.0363 B
METALS	NICKEL	MG/KG	NS	250	2400	8.20	7.28	10.3	11.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.11 U	2.08 U	2.14 U	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.248 J	0.205 J	0.535 UJ	0.553 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.11 UJ	2.08 UJ	2.14 UJ	2.21 UJ
METALS	ZINC	MG/KG	NS	1500	1500	51.1	37.5	59.9	40.9
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	320 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	320 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	320 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	320 U	330 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	320 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000	130000 U	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	6400 U	4800 J	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	800 U	830 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	19 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L11-01 SB-R-L11-01(1.0-1.5) 03/23/06	AREA I B-LINE SB-R-L11-01 SB-R-L11-01(4.0-4.5) 03/23/06	AREA I B-LINE SB-R-L11-02 SB-R-L11-02(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-L11-02 SB-R-L11-02(6.5-7.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	58	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 U	18 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	76 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L11-03 SB-R-L11-03(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-L11-03 TP-R-L11-03(7.0-7.5) 07/27/06	AREA I B-LINE SB-R-L9-01 SB-R-L9-01(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-L9-01 SB-R-L9-01(1.0-1.5) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2700 U	3600 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	670 U	910 U	840 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	670 U	910 U	840 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	670 U	910 U	840 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	670 U	910 U	840 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	220 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2100 U	2600 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	220 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	100 J	180 U	220 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	92 J	180 U	220 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	160 J	180 U	220 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	49 J	180 U	220 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	220 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	350 U	430 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 J	180 U	220 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	220 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	220 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	220 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	67 J	180 U	220 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	220 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	220 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.934 J	2.04 UJ	2.53 UJ	2.33 UJ
METALS	ARSENIC	MG/KG	NS	20	20	8.52	4.08	6.79	5.95 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.490 J	0.713	0.885	0.670
METALS	CADMIUM	MG/KG	NS	39	100	0.559 U	0.497 J	0.633 U	0.582 U
METALS	COPPER	MG/KG	NS	600	600	128	28.7	10.7	11.2
METALS	LEAD	MG/KG	NS	400	600	852	4.09	19.9	12.9
METALS	MERCURY	MG/KG	NS	14	270	0.171	0.0997 U	0.0459 J	0.0389 J
METALS	NICKEL	MG/KG	NS	250	2400	15.5	8.15 J	14.3	13.6
METALS	SELENIUM	MG/KG	NS	63	3100	2.24 U	2.04 U	2.86	1.98 J
METALS	SILVER	MG/KG	NS	110	4100	0.559 U	0.510 U	0.633 U	0.582 U
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U	2.04 U	1.99 J	1.73 J
METALS	ZINC	MG/KG	NS	1500	1500	741	47.6 J	96.2	63.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	320 U	390 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	320 U	390 UJ	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	320 U	390 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	630 U	390 UJ	360 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	320 U	390 UJ	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	6300 U	7800 UJ	7100 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	790 U	970 UJ	890 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	22 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L11-03 SB-R-L11-03(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-L11-03 TP-R-L11-03(7.0-7.5) 07/27/06	AREA I B-LINE SB-R-L9-01 SB-R-L9-01(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-L9-01 SB-R-L9-01(1.0-1.5) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 U	22 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	22 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L9-03 SB-R-L9-03(0.5-1.0) 04/12/06	AREA I B-LINE SB-R-L9-03 TP-R-L9-03(6.5-7.0) 07/28/06	AREA I B-LINE SB-R-L9-04 SB-R-L9-04(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-L9-04 SB-R-L9-04(2.5-3.0) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2700 U	3100 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	810 U	670 U	770 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	810 U	670 U	770 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	810 U	670 U	770 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	810 U	670 U	770 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	180 U	210 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2100 U	2600 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	180 U	210 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	180 U	210 U	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	180 U	210 U	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	180 U	210 U	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	180 U	210 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	180 U	210 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	360 U	430 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	180 U	210 U	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	180 U	210 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	180 U	210 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	180 U	210 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	180 U	210 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	180 U	210 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	180 U	210 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.47 UJ	1.14 J	2.48 UJ	2.03 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.78	3.51	5.49	1.95 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.803	0.698	0.930	0.561
METALS	CADMIUM	MG/KG	NS	39	100	3.09 U	0.312 J	0.619 U	0.508 U
METALS	COPPER	MG/KG	NS	600	600	8.65	12.2	9.37	9.63
METALS	LEAD	MG/KG	NS	400	600	11.4	4.46	10.5	1.74 J
METALS	MERCURY	MG/KG	NS	14	270	0.0156 J	0.104 U	0.0505 J	0.0134 J
METALS	NICKEL	MG/KG	NS	250	2400	11.9	9.68 J	12.8	7.53
METALS	SELENIUM	MG/KG	NS	63	3100	2.47 U	2.13 U	2.48 UJ	2.03 UJ
METALS	SILVER	MG/KG	NS	110	4100	0.377 J	0.533 U	0.619 U	0.508 U
METALS	THALLIUM	MG/KG	NS	2	2	2.47 U	2.13 U	1.85 J	1.31 J
METALS	ZINC	MG/KG	NS	1500	1500	75.6	97.3 J	69.7	31.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	320 U	380 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	320 U	380 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	320 U	380 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	640 U	380 U	310 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	320 U	380 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	130000 U	150000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7500 U	6400 U	7700 U	6300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	940 U	800 U	960 U	780 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	18 U	22 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	18 U	22 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L9-03 SB-R-L9-03(0.5-1.0) 04/12/06	AREA I B-LINE SB-R-L9-03 TP-R-L9-03(6.5-7.0) 07/28/06	AREA I B-LINE SB-R-L9-04 SB-R-L9-04(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-L9-04 SB-R-L9-04(2.5-3.0) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	18 U	22 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	18 U	22 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	18 U	22 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	18 U	22 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	18 UJ	22 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	18 U	22 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M10-01 SB-R-M10-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M10-01 TP-R-M10-01(7.0-7.5) 07/27/06	AREA I B-LINE SB-R-M10-02 SB-R-M10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M10-02 SB-R-M10-02(4.0-4.5) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2700 U	3100 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	680 U	770 U	660 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	680 U	770 U	660 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	680 U	770 U	660 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	680 U	770 U	660 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	210 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2100 U	2500 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	210 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	7600 J	180 U	210 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	6100 J	180 U	210 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	7700 J	180 U	210 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	3400	180 U	210 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	210 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	350 U	420 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	6100	180 U	210 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	150 J	180 U	210 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1300	180 U	210 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	210 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	4000 J	180 U	210 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	210 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	290	180 U	210 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.24 UJ	2.06 UJ	2.42 UJ	2.11 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.72	3.36	3.77	1.26 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.440 J	0.641	0.438 J	0.195 J
METALS	CADMIUM	MG/KG	NS	39	100	0.561 U	0.329 J	0.604 U	0.528 U
METALS	COPPER	MG/KG	NS	600	600	15.3	13.3	6.61	5.12
METALS	LEAD	MG/KG	NS	400	600	54.7	3.16	16.3 J	2.87 J
METALS	MERCURY	MG/KG	NS	14	270	0.0568 J	0.103 U	0.0199 J	0.0172 J
METALS	NICKEL	MG/KG	NS	250	2400	10.1	9.78 J	6.06	5.64
METALS	SELENIUM	MG/KG	NS	63	3100	2.24 U	2.06 U	2.42 U	2.11 U
METALS	SILVER	MG/KG	NS	110	4100	0.561 U	0.515 U	0.604 U	0.528 U
METALS	THALLIUM	MG/KG	NS	2	2	1.26 J	2.06 U	2.42 U	2.11 U
METALS	ZINC	MG/KG	NS	1500	1500	110	45.5 J	32.8 J	16.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	320 U	380 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	320 U	380 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	320 U	380 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	640 U	380 UJ	320 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	320 U	380 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	150000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	130000	6400 U	7500 UJ	6400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	800 U	940 UJ	800 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M10-01 SB-R-M10-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M10-01 TP-R-M10-01(7.0-7.5) 07/27/06	AREA I B-LINE SB-R-M10-02 SB-R-M10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M10-02 SB-R-M10-02(4.0-4.5) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 U	21 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	21 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M10-03 SB-R-M10-03(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-M10-03 TP-R-M10-03(6.0-6.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	670 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	670 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	670 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	670 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	94 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	100 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	160 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	57 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	110 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	76 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.23 UJ	2.14 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.87	4.46
METALS	BERYLLIUM	MG/KG	NS	2	2	0.762	0.632
METALS	CADMIUM	MG/KG	NS	39	100	0.557 U	0.361 J
METALS	COPPER	MG/KG	NS	600	600	14.0	13.3
METALS	LEAD	MG/KG	NS	400	600	16.2	7.59
METALS	MERCURY	MG/KG	NS	14	270	0.0329 J	0.0145 J
METALS	NICKEL	MG/KG	NS	250	2400	13.6	10.1 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.23 UJ	2.14 U
METALS	SILVER	MG/KG	NS	110	4100	0.557 U	0.534 U
METALS	THALLIUM	MG/KG	NS	2	2	1.54 J	2.14 U
METALS	ZINC	MG/KG	NS	1500	1500	103	110 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	650 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	810 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M10-03 SB-R-M10-03(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-M10-03 TP-R-M10-03(6.0-6.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-01 SB-R-M9-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M9-01 SB-R-M9-01(2.0-2.5) 03/29/06	AREA I B-LINE SB-R-M9-02 SB-R-M9-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M9-02 TP-R-M9-02(4.5-5.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	3200 U	3000 U	16000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	660 U	800 U	750 U	4100 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	660 U	800 U	750 U	4100 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	660 U	800 U	750 U	4100 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	660 U	800 U	750 U	4100 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	210 U	200 U	1100 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2500 U	2400 U	13000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	210 U	156700	1100 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	41000	210 U	54 J	1100 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	32000	210 U	74 J	1100 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	47000	210 U	160 J	230 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	16000	210 U	40 J	1100 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	210 U	200 U	1100 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	410 U	400 U	2100 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	35000	210 U	78 J	1100 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	210 U	200 U	1100 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	6500	210 U	200 U	1100 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	210 U	200 U	1100 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	20000	210 U	50 J	1100 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	210 U	200 U	1100 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	310	210 U	13000	6300
METALS	ANTIMONY	MG/KG	NS	14	340	2.01 UJ	2.45 UJ	2.37 UJ	12.5 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.73 J	4.71	3.27	5.72 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.402 J	0.569 J	0.297 J	3.13 U
METALS	CADMIUM	MG/KG	NS	39	100	0.212 J	0.234 J	0.593 U	1.08 J
METALS	COPPER	MG/KG	NS	600	600	11.5	8.41	24.5	47.8
METALS	LEAD	MG/KG	NS	400	600	14.2	11.8	46.2 J	104
METALS	MERCURY	MG/KG	NS	14	270	0.0217 J	0.0303 J	0.0721 J	0.505 J
METALS	NICKEL	MG/KG	NS	250	2400	5.52	11.5	6.02	4.93 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.01 U	2.45 U	2.37 U	12.5 U
METALS	SILVER	MG/KG	NS	110	4100	0.503 U	0.613 U	0.593 U	3.13 U
METALS	THALLIUM	MG/KG	NS	2	2	2.01 U	2.45 U	2.37 U	12.5 U
METALS	ZINC	MG/KG	NS	1500	1500	35.4	54.5	170 J	396 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	370 U	360 UJ	1900 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	370 U	360 UJ	1700 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	370 U	360 UJ	1900 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	310 U	370 U	360 UJ	3800 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 U	370 U	360 UJ	1900 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	120000 U	150000 U	140000 U	770000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6300 U	7400 U	7100 UJ	38000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	790 U	930 U	890 UJ	4700 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	21 U	20 U	110 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	21 U	20 U	110 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-01 SB-R-M9-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M9-01 SB-R-M9-01(2.0-2.5) 03/29/06	AREA I B-LINE SB-R-M9-02 SB-R-M9-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M9-02 TP-R-M9-02(4.5-5.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	21 U	20 U	110 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	21 U	20 U	110 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	21 U	20 U	110 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	21 U	20 U	110 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	21 U	20 U	110 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	21 U	20 U	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-03 SB-R-M9-03(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M9-03 SB-R-M9-03(1.5-2.0) 03/30/06	AREA I B-LINE SB-R-M9-03 TP-R-M9-03(7.5-8.0) 07/27/06	AREA I B-LINE SB-R-M9-04 SB-R-M9-04(1.0-1.5) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3100 U	NA	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	790 U	NA	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	790 U	NA	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	790 U	NA	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	790 U	NA	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	210 U	NA	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2500 U	NA	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	NA	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190	210 U	NA	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 J	210 U	NA	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	260	210 U	NA	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	120 J	210 U	NA	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	210 U	NA	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	410 U	NA	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	270	210 U	NA	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	210 U	NA	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	210 U	NA	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	210 U	NA	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	120 J	210 U	NA	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	210 U	NA	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	210 U	NA	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.14 UJ	2.41 UJ	2.08 UJ	2.47 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.78	8.35	2.76	9.10
METALS	BERYLLIUM	MG/KG	NS	2	2	0.518 J	0.755	0.718	0.975
METALS	CADMIUM	MG/KG	NS	39	100	0.536 U	0.555 J	0.172 J	3.03 U
METALS	COPPER	MG/KG	NS	600	600	14.3	17.1	14.8	21.3
METALS	LEAD	MG/KG	NS	400	600	7.41 J	11.3 J	2.68	11.7
METALS	MERCURY	MG/KG	NS	14	270	0.0431 J	0.0321 J	0.103 U	0.0424 J
METALS	NICKEL	MG/KG	NS	250	2400	12.8	18.7	8.92 J	20.5
METALS	SELENIUM	MG/KG	NS	63	3100	1.57 J	3.08	2.08 U	2.47 U
METALS	SILVER	MG/KG	NS	110	4100	0.536 U	0.604 U	0.521 U	0.456 J
METALS	THALLIUM	MG/KG	NS	2	2	1.55 J	2.23 J	2.08 U	1.51 J
METALS	ZINC	MG/KG	NS	1500	1500	56.8 J	61.2 J	43.1 J	80.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	370 UJ	NA	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	370 UJ	NA	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	370 UJ	NA	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 UJ	370 UJ	NA	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	370 UJ	NA	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	150000 U	NA	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 UJ	7400 UJ	NA	7500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 UJ	920 UJ	NA	940 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	21 U	NA	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	21 U	NA	21 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-03 SB-R-M9-03(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-M9-03 SB-R-M9-03(1.5-2.0) 03/30/06	AREA I B-LINE SB-R-M9-03 TP-R-M9-03(7.5-8.0) 07/27/06	AREA I B-LINE SB-R-M9-04 SB-R-M9-04(1.0-1.5) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	21 U	NA	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	21 U	NA	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	21 U	NA	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	21 U	NA	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	21 U	NA	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	21 U	NA	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCs = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-04 SB-R-M9-04(2.5-3.0) 04/13/06	AREA I B-LINE SB-R-M9-05 SB-R-M9-05(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-M9-05 TP-R-M9-05(4.5-5.0) 07/26/06	AREA I B-LINE SB-R-N8-01 SB-R-N8-01(1.0-1.5) 04/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	3200 U	2700 U	3500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	790 U	670 U	880 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	790 U	670 U	880 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	790 U	670 U	880 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	790 U	670 U	880 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	210 U	180 U	240 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2500 U	2200 U	2900 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	180 U	240 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	210 U	180 U	240 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	210 U	180 U	240 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	210 U	180 U	240 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	210 U	180 U	240 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	210 U	180 U	240 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	420 U	360 U	480 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	210 U	180 U	240 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	210 U	180 U	240 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	210 U	180 U	240 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	210 U	180 U	240 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	210 U	180 U	240 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	210 U	180 U	240 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	210 U	180 U	240 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.15 UJ	2.43 UJ	2.17 UJ	1.18 J
METALS	ARSENIC	MG/KG	NS	20	20	3.70	5.64	3.65	6.06
METALS	BERYLLIUM	MG/KG	NS	2	2	0.820	0.785	0.541 J	0.741
METALS	CADMIUM	MG/KG	NS	39	100	2.61 U	0.608 U	0.334 J	0.699 U
METALS	COPPER	MG/KG	NS	600	600	19.8	10.6	20.0	14.4 J
METALS	LEAD	MG/KG	NS	400	600	3.22	10.1	5.96	20.6
METALS	MERCURY	MG/KG	NS	14	270	0.0080 J	0.0413 J	0.0288 J	0.0770 J
METALS	NICKEL	MG/KG	NS	250	2400	16.1	13.4	12.2 J	10.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.15 U	2.43 UJ	2.17 U	2.80 U
METALS	SILVER	MG/KG	NS	110	4100	0.359 J	0.608 U	0.542 U	0.699 U
METALS	THALLIUM	MG/KG	NS	2	2	1.04 J	2.15 J	2.17 U	1.41 J
METALS	ZINC	MG/KG	NS	1500	1500	87.8	83.2	92.1 J	119 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	380 U	330 U	430 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	380 U	330 U	430 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	380 U	330 U	430 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	380 U	650 U	430 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	380 U	330 U	430 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	150000 U	130000 U	170000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	7500 U	6500 U	8600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 U	940 U	810 U	1100 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	21 U	18 U	24 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	21 U	18 U	24 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-04 SB-R-M9-04(2.5-3.0) 04/13/06	AREA I B-LINE SB-R-M9-05 SB-R-M9-05(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-M9-05 TP-R-M9-05(4.5-5.0) 07/26/06	AREA I B-LINE SB-R-N8-01 SB-R-N8-01(1.0-1.5) 04/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	21 U	18 U	24 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	21 U	18 U	24 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	21 U	18 U	24 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	21 U	18 U	24 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	21 U	18 U	24 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	21 U	18 U	24 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-N8-01 SB-R-N8-01(4.5-5.0) 04/17/06	AREA I B-LINE SB-R-N9-01 SB-R-N9-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-N9-01 SB-R-N9-01(5.08-5.58) 03/29/06	AREA I B-LINE SB-R-N9-02 SB-R-N9-02(0.5-1.0) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	3400 U	3200 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	810 U	850 U	800 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	810 U	850 U	800 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	810 U	850 U	800 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	810 U	850 U	800 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2600 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	170 J	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 J	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	250	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	120 J	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	400 U	430 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 J	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	47 J	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	130 J	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	42 J	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.14 J	2.40 UJ	2.50 UJ	2.26 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.00	6.55	0.858 J	3.35
METALS	BERYLLIUM	MG/KG	NS	2	2	0.824	0.307 J	0.130 J	0.322 J
METALS	CADMIUM	MG/KG	NS	39	100	0.582 U	0.599 U	0.626 U	0.565 U
METALS	COPPER	MG/KG	NS	600	600	21.4 J	18.8	9.64	4.79
METALS	LEAD	MG/KG	NS	400	600	4.37	32.2	10.2	6.20 J
METALS	MERCURY	MG/KG	NS	14	270	0.0184 J	0.0500 J	0.0107 J	0.0188 J
METALS	NICKEL	MG/KG	NS	250	2400	12.4	10.1	8.44	7.10
METALS	SELENIUM	MG/KG	NS	63	3100	2.33 U	1.73 J	2.50 U	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.582 U	0.599 U	0.626 U	0.565 U
METALS	THALLIUM	MG/KG	NS	2	2	1.30 J	1.54 J	2.50 U	2.26 U
METALS	ZINC	MG/KG	NS	1500	1500	79.6 J	85.6	25.9	41.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	360 U	390 U	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	360 U	390 U	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	360 U	390 U	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	360 U	390 U	350 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	360 U	390 U	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 U	7200 U	7700 U	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 U	900 U	970 U	870 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	22 U	20 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-N8-01 SB-R-N8-01(4.5-5.0) 04/17/06	AREA I B-LINE SB-R-N9-01 SB-R-N9-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-N9-01 SB-R-N9-01(5.08-5.58) 03/29/06	AREA I B-LINE SB-R-N9-02 SB-R-N9-02(0.5-1.0) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	72	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	28	22 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	100	22 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-N9-02 SB-R-N9-02(1.5-2.0) 03/30/06	AREA I B-LINE SB-R-N9-03 SB-R-N9-03(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-N9-03 SB-R-N9-03(2.0-2.5) 03/30/06	AREA I B-LINE SB-R-O8-02 SB-R-O8-02(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U	3100 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	750 U	780 U	660 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	750 U	780 U	660 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	750 U	780 U	660 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	750 U	780 U	660 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	390 U	360 U	200 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.21 UJ	2.33 UJ	2.12 UJ	2.10 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.87	5.58	2.64	2.34
METALS	BERYLLIUM	MG/KG	NS	2	2	0.393 J	0.487 J	0.315 J	0.763
METALS	CADMIUM	MG/KG	NS	39	100	0.553 U	0.582 U	0.530 U	2.62 UJ
METALS	COPPER	MG/KG	NS	600	600	9.04	12.0	7.41	16.1
METALS	LEAD	MG/KG	NS	400	600	7.15 J	8.44 J	3.65 J	4.39 J
METALS	MERCURY	MG/KG	NS	14	270	0.0392 J	0.0556 J	0.0314 J	0.0090 J
METALS	NICKEL	MG/KG	NS	250	2400	11.5	12.9	6.62	8.50
METALS	SELENIUM	MG/KG	NS	63	3100	1.28 J	1.55 J	2.12 U	2.10 U
METALS	SILVER	MG/KG	NS	110	4100	0.553 U	0.582 U	0.530 U	2.33
METALS	THALLIUM	MG/KG	NS	2	2	1.34 J	1.81 J	2.12 U	2.86
METALS	ZINC	MG/KG	NS	1500	1500	42.0 J	41.6 J	21.3 J	51.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	350 UJ	320 UJ	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	350 UJ	320 UJ	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	350 UJ	320 UJ	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 UJ	350 UJ	320 UJ	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	350 UJ	320 UJ	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	130000 U	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 UJ	7000 UJ	6500 UJ	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 UJ	870 UJ	810 UJ	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	18 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	18 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-N9-02 SB-R-N9-02(1.5-2.0) 03/30/06	AREA I B-LINE SB-R-N9-03 SB-R-N9-03(1.0-1.5) 03/30/06	AREA I B-LINE SB-R-N9-03 SB-R-N9-03(2.0-2.5) 03/30/06	AREA I B-LINE SB-R-O8-02 SB-R-O8-02(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	18 U	230
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	18 U	64
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	18 U	294

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-08-02 SB-R-08-02(4.0-4.5) 04/18/06	AREA I B-LINE SB-R-08-02 TP-R-08-02(8.0-8.5) 08/07/06	AREA I B-LINE SB-R-08-03 SB-R-08-03(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-08-03 SB-R-08-03(5.5-6.0) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 UJ	NA	2800 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 UJ	NA	690 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 UJ	NA	690 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 UJ	NA	690 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 UJ	NA	690 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	NA	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	NA	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	NA	140 J	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	NA	100 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	NA	140 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	NA	55 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	NA	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	NA	360 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	NA	150 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	NA	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	NA	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	NA	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	NA	53 J	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	NA	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	NA	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.22 UJ	1.69 J	2.08 UJ	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	6.08	2.66	2.31	4.16
METALS	BERYLLIUM	MG/KG	NS	2	2	0.939	0.667	0.486 J	0.820
METALS	CADMIUM	MG/KG	NS	39	100	2.77 UJ	0.528 U	0.520 U	0.558 U
METALS	COPPER	MG/KG	NS	600	600	13.0	17.6	17.9	14.3
METALS	LEAD	MG/KG	NS	400	600	5.77 J	12.4	4.73	4.80
METALS	MERCURY	MG/KG	NS	14	270	0.0196 J	0.104 U	0.0195 J	0.0357 J
METALS	NICKEL	MG/KG	NS	250	2400	10.9	8.11	8.15	11.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.22 U	2.11 U	2.08 UJ	2.23 UJ
METALS	SILVER	MG/KG	NS	110	4100	0.554 U	4.84	0.520 U	0.558 U
METALS	THALLIUM	MG/KG	NS	2	2	2.99	2.11 U	1.29 J	1.87 J
METALS	ZINC	MG/KG	NS	1500	1500	67.9 J	65.6 J	45.9	57.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	NA	330 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	NA	330 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	NA	330 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	NA	330 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	NA	330 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	NA	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	NA	6600 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	NA	820 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-O8-02 SB-R-O8-02(4.0-4.5) 04/18/06	AREA I B-LINE SB-R-O8-02 TP-R-O8-02(8.0-8.5) 08/07/06	AREA I B-LINE SB-R-O8-03 SB-R-O8-03(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-O8-03 SB-R-O8-03(5.5-6.0) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	NA	48	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	NA	48 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-08-04 SB-R-08-04(0.5-1.0) 06/29/06	AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Igw Ex	Rdc_ Ex
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	N	N
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	730 U	N	N
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	730 U	N	N
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	730 U	N	N
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	730 U	N	N
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	N	N
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2400 U	N	N
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	N	N
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	200 U	N	N
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	200 U	N	N
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	200 U	N	N
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	200 U	N	N
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	N	N
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	400 U	N	N
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	200 U	N	N
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	N	N
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	200 U	N	N
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	N	N
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	200 U	N	N
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	N	N
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	N	N
METALS	ANTIMONY	MG/KG	NS	14	340	1.14 J	2.30 UJ	N	N
METALS	ARSENIC	MG/KG	NS	20	20	3.59	4.33	N	N
METALS	BERYLLIUM	MG/KG	NS	2	2	0.762	0.728	N	N
METALS	CADMIUM	MG/KG	NS	39	100	0.641	0.576 U	N	N
METALS	COPPER	MG/KG	NS	600	600	18.1	7.46	N	N
METALS	LEAD	MG/KG	NS	400	600	7.18	7.37	N	N
METALS	MERCURY	MG/KG	NS	14	270	0.0124 J	0.0321 J	N	N
METALS	NICKEL	MG/KG	NS	250	2400	11.0	9.92	N	N
METALS	SELENIUM	MG/KG	NS	63	3100	2.28 U	2.30 UJ	N	N
METALS	SILVER	MG/KG	NS	110	4100	0.569 U	0.576 U	N	N
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U	1.57 J	N	N
METALS	ZINC	MG/KG	NS	1500	1500	80.8 J	58.5	N	N
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	360 U	N	N
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	360 U	N	N
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	360 U	N	N
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	360 U	N	N
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	360 U	N	N
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 U	N	N
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	7100 U	N	N
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	890 U	N	N
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	N	N
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	N	N

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-08-04 SB-R-08-04(0.5-1.0) 06/29/06	AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Igw Ex	Rdc_Ex
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	N	N
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	N	N
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	N	N
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	N	N
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	N	N
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	N	N

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-09-01 SB-R-09-01(4.0-4.5) 04/28/06	AREA I B-LINE SB-R0-M8-01 SB-R0-M8-01(4.5-5.0) 12/21/05	AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(0.5-1.0) 12/21/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Nrdc Ex	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	N	2700 U	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	N	670 U	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	N	670 U	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	N	670 U	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	N	670 U	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	N	180 U	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	N	2100 U	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	N	180 U	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	N	180 U	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	N	180 U	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	N	180 U	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	N	180 U	NA	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	N	180 U	NA	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	N	360 U	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	N	180 U	NA	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	N	180 U	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	N	180 U	NA	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	N	180 U	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	N	180 U	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	N	180 U	NA	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	N	180 U	NA	NA
METALS	ANTIMONY	MG/KG	NS	14	340	N	2.10 UJ	2.05 UJ	1.99 UJ
METALS	ARSENIC	MG/KG	NS	20	20	N	1.00 J	3.45 J	3.29 J
METALS	BERYLLIUM	MG/KG	NS	2	2	N	0.132 J	0.498 J	0.458 J
METALS	CADMIUM	MG/KG	NS	39	100	N	0.524 U	0.608	1.35
METALS	COPPER	MG/KG	NS	600	600	N	3.54	9.23	30.0
METALS	LEAD	MG/KG	NS	400	600	N	2.39	208 J	77.5 J
METALS	MERCURY	MG/KG	NS	14	270	N	0.0114 J	0.0239 J	0.0345 J
METALS	NICKEL	MG/KG	NS	250	2400	N	2.25	8.74	7.48
METALS	SELENIUM	MG/KG	NS	63	3100	N	2.10 UJ	2.05 U	1.99 U
METALS	SILVER	MG/KG	NS	110	4100	N	0.524 U	0.512 U	5.19
METALS	THALLIUM	MG/KG	NS	2	2	N	2.10 U	2.05 U	1.99 U
METALS	ZINC	MG/KG	NS	1500	1500	N	12.9	47.2 J	174 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	N	320 U	NA	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	N	320 U	NA	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	N	320 U	NA	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	N	320 U	NA	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	N	320 U	NA	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	N	130000 UJ	NA	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	N	6400 U	NA	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	N	800 U	NA	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	N	18 U	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	N	18 U	NA	NA

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-09-01 SB-R-09-01(1.0-1.5) 04/28/06	AREA I B-LINE SB-R-09-01 SB-R-09-01(4.0-4.5) 04/28/06	AREA I B-LINE SB-R0-M8-01 SB-R0-M8-01(4.5-5.0) 12/21/05	AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(0.5-1.0) 12/21/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Nrdc Ex	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	N	18 U	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	N	18 U	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	N	18 U	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	N	18 U	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	N	18 U	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	N	18 U	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(1.5-2.0) 12/21/05	AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(4.5-5.0) 12/21/05	AREA I B-LINE SB-R0-M8-04 SB-R0-M8-04(2.0-2.5) 12/21/05	AREA I B-LINE SB-R0-M8-04 SB-R0-M8-04(5.0-5.5) 12/21/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA	NA	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA	NA	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.11 UJ	2.98 UJ	2.22 UJ	2.39 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.44	5.89 J	7.30 J	3.61 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.469 J	0.539 J	0.647	0.260 J
METALS	CADMIUM	MG/KG	NS	39	100	0.822	1.19	0.729	2.75
METALS	COPPER	MG/KG	NS	600	600	17.7	14.2	16.0	19.2
METALS	LEAD	MG/KG	NS	400	600	39.4 J	30.8 J	48.7 J	174 J
METALS	MERCURY	MG/KG	NS	14	270	0.164	0.0653 J	0.0802 J	0.110 J
METALS	NICKEL	MG/KG	NS	250	2400	8.31	8.60	13.2	15.0
METALS	SELENIUM	MG/KG	NS	63	3100	2.11 UJ	2.98 U	2.22 U	2.39 U
METALS	SILVER	MG/KG	NS	110	4100	0.527 U	0.744 U	0.555 U	0.599 U
METALS	THALLIUM	MG/KG	NS	2	2	2.11 U	2.98 U	2.22 U	2.39 U
METALS	ZINC	MG/KG	NS	1500	1500	62.1	545 J	93.0 J	756 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	370 U	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	370 U	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	370 U	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	370 U	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	370 U	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	150000 U	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	7500 U	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	930 U	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(1.5-2.0) 12/21/05	AREA I B-LINE SB-R0-M8-02 SB-R0-M8-02(4.5-5.0) 12/21/05	AREA I B-LINE SB-R0-M8-04 SB-R0-M8-04(2.0-2.5) 12/21/05	AREA I B-LINE SB-R0-M8-04 SB-R0-M8-04(5.0-5.5) 12/21/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M8-05 SB-R0-M8-05(0.5-1.0) 12/21/05	AREA I B-LINE SB-R0-M8-05 SB-R0-M8-05(4.0-4.5) 12/21/05	AREA I B-LINE SB-R0-M9-01 SB-R0-M9-01(1.0-1.5) 12/21/05	AREA I B-LINE SB-R0-M9-01 SB-R0-M9-01(4.5-5.0) 12/21/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA	200 UJ	590 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	2400 UJ	7100 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	87 J	590 UJ
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	200 UJ	270 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	200 UJ	240 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	200 UJ	260 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	200 UJ	130 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA	200 UJ	590 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA	390 UJ	1200 UJ
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	200 UJ	240 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA	200 UJ	590 UJ
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	200 UJ	590 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA	200 UJ	590 UJ
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	200 UJ	590 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	200 UJ	590 UJ
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA	100 J	160 J
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	370 U	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	370 U	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	370 U	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	320 U	370 U	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	370 U	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	150000 U	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	7400 U	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 U	920 U	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M8-05 SB-R0-M8-05(0.5-1.0) 12/21/05	AREA I B-LINE SB-R0-M8-05 SB-R0-M8-05(4.0-4.5) 12/21/05	AREA I B-LINE SB-R0-M9-01 SB-R0-M9-01(1.0-1.5) 12/21/05	AREA I B-LINE SB-R0-M9-01 SB-R0-M9-01(4.5-5.0) 12/21/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-02 SB-R0-M9-02(0.17-0.67) 12/22/05	AREA I B-LINE SB-R0-M9-03 SB-R0-M9-03(0.5-1.0) 12/22/05	AREA I B-LINE SB-R0-M9-03 SB-R0-M9-03(4.0-4.5) 12/22/05	AREA I B-LINE SB-R0-M9-04 SB-R0-M9-04(1.5-2.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	190 U	170 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2300 U	2000 U	2000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	76100	190 U	88 J	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	260	100 J	170 U	100 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	270	81 J	170 U	120 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	470 J	140 J	37 J	160 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190	58 J	170 U	81 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	190 U	170 U	330
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	330 U	380 U	330 U	330 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	300	120 J	34 J	120 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	240	940	170 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	57 J	190 U	170 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	190 U	170 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180	46 J	170 U	79 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	190 U	170 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1600	220	1500	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-02 SB-R0-M9-02(0.17-0.67) 12/22/05	AREA I B-LINE SB-R0-M9-03 SB-R0-M9-03(0.5-1.0) 12/22/05	AREA I B-LINE SB-R0-M9-03 SB-R0-M9-03(4.0-4.5) 12/22/05	AREA I B-LINE SB-R0-M9-04 SB-R0-M9-04(1.5-2.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-09 SB-R0-M9-09(0.5-1.0) 12/22/05	AREA I B-LINE SB-R0-M9-09 SB-R0-M9-09(4.0-4.5) 12/22/05	AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(1.5-2.0) 12/22/05	AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(2.5-3.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	170 U	180 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2000 U	2200 U	2000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	170 U	1793 J	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	570	53 J	32000	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	620	74 J	25000	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	820 J	110 J	40000	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	400	34 J	15000	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	170 U	180 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	330 U	270 J	330 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	650	62 J	30000	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	170 U	190	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	120 J	170 U	4900	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	170 U	180 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	390	53 J	15000	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	170 U	180 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	170 U	430	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-09 SB-R0-M9-09(0.5-1.0) 12/22/05	AREA I B-LINE SB-R0-M9-09 SB-R0-M9-09(4.0-4.5) 12/22/05	AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(1.5-2.0) 12/22/05	AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(2.5-3.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(4.5-5.0) 12/22/05	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(2.0-2.5) 07/19/06	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(4.5-5.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3300 UJ	3400 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	820 UJ	860 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	820 UJ	860 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	980 J	640 J	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	820 UJ	860 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	210 U	220 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2500 U	2600 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	100 J	210 U	220 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	100 J	72 J	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	84 J	100 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	180 J	370	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	210 U	71 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	210 U	220 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	330 U	420 U	440 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	180 J	260	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	210 U	220 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	210 U	78 J	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	210 U	220 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	210 U	170 J	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	210 U	220 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	210 U	220 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	2.50 UJ	2.51 UJ	1.19 J
METALS	ARSENIC	MG/KG	NS	20	20	NA	21.1	19.5	6.76
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	3.32	1.65	0.891
METALS	CADMIUM	MG/KG	NS	39	100	NA	0.625 U	0.628 U	0.584 U
METALS	COPPER	MG/KG	NS	600	600	NA	31.6	31.8	21.2
METALS	LEAD	MG/KG	NS	400	600	NA	71.3	3710	10.1
METALS	MERCURY	MG/KG	NS	14	270	NA	0.294	7.04	0.119 U
METALS	NICKEL	MG/KG	NS	250	2400	NA	15.4	11.0	19.7
METALS	SELENIUM	MG/KG	NS	63	3100	NA	2.50 U	1.44 J	1.43 J
METALS	SILVER	MG/KG	NS	110	4100	NA	0.884	0.628	0.584 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	3.54	2.34 J	2.34 U
METALS	ZINC	MG/KG	NS	1500	1500	NA	59.5 J	92.5 J	122 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	380 UJ	390 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	380 UJ	390 UJ	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	380 UJ	390 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	760 UJ	780 UJ	720 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	380 UJ	390 UJ	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	150000 U	160000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	7600 UJ	7800 UJ	7200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	950 UJ	980 UJ	900 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	21 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	21 U	22 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(4.5-5.0) 12/22/05	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(2.0-2.5) 07/19/06	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(4.5-5.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	21 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	21 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	21 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	21 U	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	21 UJ	22 UJ	20 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	21 U	22 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-10 TP-R-M8-1-10(0.5-1.0) 07/20/06	AREA I B-LINE TP-R-M8-1-10 TP-R-M8-1-10(3.5-4.0) 07/20/06	AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(1.0-1.5) 07/20/06	AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(6.0-6.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	3300 UJ	2700 UJ	3100 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	670 U	820 U	670 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	820 U	670 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 U	820 U	670 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 U	820 U	670 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	210 U	180 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2500 U	2200 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	210 U	180 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 J	210 U	3800	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	230	210 U	3200	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	390	210 U	4600	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	130 J	210 U	1800	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	210 U	180 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	420 U	360 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	290	210 U	3600	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	210 U	180 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	40 J	210 U	540	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	210 U	180 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 J	210 U	1900	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	210 U	180 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 J	180 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.21 UJ	2.51 UJ	2.14 UJ	1.14 J
METALS	ARSENIC	MG/KG	NS	20	20	2.75	1.68 J	5.48	2.50
METALS	BERYLLIUM	MG/KG	NS	2	2	0.484 J	0.428 J	0.900	0.522 J
METALS	CADMIUM	MG/KG	NS	39	100	0.387 J	0.227 J	0.630	0.191 J
METALS	COPPER	MG/KG	NS	600	600	11.0	9.61	15.7	13.5
METALS	LEAD	MG/KG	NS	400	600	7.16	4.57	6.89	7.65
METALS	MERCURY	MG/KG	NS	14	270	0.0407 J	0.119 U	0.0222 J	0.0166 J
METALS	NICKEL	MG/KG	NS	250	2400	7.17	5.91	13.7	13.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.21 U	2.51 U	2.14 U	2.41 U
METALS	SILVER	MG/KG	NS	110	4100	0.553 U	0.628 U	0.534 U	0.602 U
METALS	THALLIUM	MG/KG	NS	2	2	2.21 U	2.51 U	2.14 U	2.41 U
METALS	ZINC	MG/KG	NS	1500	1500	38.6	34.2	52.8	52.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	380 UJ	330 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	380 UJ	330 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	380 UJ	330 UJ	380 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 UJ	750 UJ	650 UJ	750 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	380 UJ	330 UJ	380 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	150000 UJ	130000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	7500 UJ	6500 UJ	7500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	940 UJ	820 UJ	940 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	21 U	19 U	21 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-10 TP-R-M8-1-10(0.5-1.0) 07/20/06	AREA I B-LINE TP-R-M8-1-10 TP-R-M8-1-10(3.5-4.0) 07/20/06	AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(1.0-1.5) 07/20/06	AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(6.0-6.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	21 U	19 U	21 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	21 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	21 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	21 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	21 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	21 U	19 UJ	21 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	21 U	19 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(4.0-4.5) 07/20/06	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(7.5-8.0) 07/20/06	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(0.5-1.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 UJ	4700 UJ	4500 UJ	3000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	1200 UJ	1100 UJ	760 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	1200 UJ	1100 UJ	760 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	1200 UJ	1100 UJ	760 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	1200 UJ	1100 UJ	760 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	290 U	280 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	3500 U	3300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	290 U	280 U	950
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210	290 U	280 U	72 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	260	290 U	280 U	93 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	420	290 U	280 U	130 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	160 J	290 U	280 U	71 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	290 U	280 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	590 U	550 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	340	290 U	280 U	84 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	110 J	290 U	280 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	52 J	290 U	280 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	290 U	280 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 J	290 U	280 U	79 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	290 U	280 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	93 J	290 U	280 U	630
METALS	ANTIMONY	MG/KG	NS	14	340	1.23 J	6.18 J	1.95 J	1.44 J
METALS	ARSENIC	MG/KG	NS	20	20	10.7	22.5	5.10	4.17
METALS	BERYLLIUM	MG/KG	NS	2	2	0.547 J	0.781 J	0.581 J	0.632
METALS	CADMIUM	MG/KG	NS	39	100	0.625	5.08	1.01	0.441 J
METALS	COPPER	MG/KG	NS	600	600	69.7	156	37.7	14.6
METALS	LEAD	MG/KG	NS	400	600	123	737	203	10.7
METALS	MERCURY	MG/KG	NS	14	270	0.441	0.787	0.345	0.0293 J
METALS	NICKEL	MG/KG	NS	250	2400	12.2	28.6	12.3	8.60
METALS	SELENIUM	MG/KG	NS	63	3100	2.44 U	3.47 U	3.23 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.609 U	1.14	0.806 U	0.558 U
METALS	THALLIUM	MG/KG	NS	2	2	2.44 U	3.47 U	3.23 U	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	117	1590	353	54.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	530 UJ	500 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	530 UJ	500 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	530 UJ	500 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	730 UJ	1100 UJ	1000 UJ	680 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 UJ	530 UJ	500 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	210000 U	200000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 UJ	11000 UJ	10000 UJ	6800 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 UJ	1300 UJ	1200 UJ	850 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	30 U	28 U	97 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(4.0-4.5) 07/20/06	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(7.5-8.0) 07/20/06	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(0.5-1.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	30 U	28 U	97 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	30 U	28 U	97 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	30 U	28 U	97 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	30 U	28 U	97 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	30 U	28 U	340
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 UJ	30 UJ	28 UJ	97 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	30 U	28 U	340

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(6.0-6.5) 07/20/06	AREA I B-LINE TP-R-M8-1-14 TP-R-M8-1-14(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-14 TP-R-M8-1-14(5.0-5.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 UJ	5800 UJ	2800 UJ	3400 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	770 UJ	1500 U	710 U	840 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 UJ	1500 U	710 U	840 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 UJ	1500 U	710 U	840 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 UJ	1500 U	710 U	840 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	360 U	180 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	4300 U	2200 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	360 U	180 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	360 U	180 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	360 U	180 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	360 U	43 J	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	360 U	180 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	360 U	180 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	720 U	370 U	430 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	360 U	180 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	360 U	180 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	360 U	180 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	360 U	180 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	360 U	180 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	360 U	180 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	360 U	180 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.37 UJ	4.32 UJ	2.11 UJ	2.46 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.75 J	4.32 U	3.46	2.50
METALS	BERYLLIUM	MG/KG	NS	2	2	0.252 J	0.335 J	0.491 J	0.654
METALS	CADMIUM	MG/KG	NS	39	100	0.213 J	0.378 J	0.392 J	0.433 J
METALS	COPPER	MG/KG	NS	600	600	32.3	31.0	13.8	19.8
METALS	LEAD	MG/KG	NS	400	600	19.9	45.9	12.4	3.84
METALS	MERCURY	MG/KG	NS	14	270	0.108 J	0.147 J	0.0262 J	0.127 U
METALS	NICKEL	MG/KG	NS	250	2400	11.1	5.31	9.03	9.18
METALS	SELENIUM	MG/KG	NS	63	3100	2.37 U	2.24 J	2.11 U	2.46 U
METALS	SILVER	MG/KG	NS	110	4100	0.592 U	1.08 U	0.528 U	0.616 U
METALS	THALLIUM	MG/KG	NS	2	2	2.37 U	4.32 U	2.11 U	2.46 U
METALS	ZINC	MG/KG	NS	1500	1500	81.4	193	66.0	62.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	650 UJ	330 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	650 UJ	330 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	650 UJ	330 UJ	380 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 UJ	1300 UJ	660 UJ	770 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	650 UJ	330 UJ	380 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	260000 U	130000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 UJ	13000 UJ	6600 UJ	7700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 UJ	1600 UJ	820 UJ	960 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	37 U	19 U	22 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(6.0-6.5) 07/20/06	AREA I B-LINE TP-R-M8-1-14 TP-R-M8-1-14(1.5-2.0) 07/20/06	AREA I B-LINE TP-R-M8-1-14 TP-R-M8-1-14(5.0-5.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	37 U	19 U	22 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	37 U	19 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	37 U	19 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	37 U	19 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	37 U	19 U	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 UJ	37 UJ	6.8 J	22 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	37 U	6.8 J	22 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-15 TP-R-M8-1-15(1.0-1.5) 07/20/06	AREA I B-LINE TP-R-M8-1-15 TP-R-M8-1-15(5.0-5.5) 07/20/06	AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(6.0-6.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	2800 UJ	3300 UJ	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	700 U	820 UJ	780 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	700 U	820 UJ	780 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	700 U	820 UJ	780 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	700 U	820 UJ	780 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	230 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2100 U	2800 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	240	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	230 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	230 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	68 J	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	230 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	230 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	350 U	460 U	430 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	230 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	290	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	230 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	230 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	230 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	230 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	230 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.01 J	2.03 UJ	2.61 J	2.55 U
METALS	ARSENIC	MG/KG	NS	20	20	13.2	2.52	3.54	2.55 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.698	0.635	0.236 J	0.633 J
METALS	CADMIUM	MG/KG	NS	39	100	0.627	0.493 J	1.25	0.637 U
METALS	COPPER	MG/KG	NS	600	600	18.8	17.3	354	15.7
METALS	LEAD	MG/KG	NS	400	600	7.50	3.01	143	7.27
METALS	MERCURY	MG/KG	NS	14	270	0.0239 J	0.102 U	0.446	0.0140 J
METALS	NICKEL	MG/KG	NS	250	2400	14.9	6.53	24.6	16.9
METALS	SELENIUM	MG/KG	NS	63	3100	2.07 U	2.03 U	2.70 U	2.55 U
METALS	SILVER	MG/KG	NS	110	4100	0.516 U	0.507 U	3.99	0.700
METALS	THALLIUM	MG/KG	NS	2	2	2.07 U	2.03 U	1.96 J	2.55 U
METALS	ZINC	MG/KG	NS	1500	1500	57.6	43.2	600	80.2
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ	320 UJ	410 UJ	390 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ	320 UJ	230 J	930 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ	320 UJ	410 UJ	390 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 UJ	630 UJ	830 UJ	770 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 UJ	320 UJ	410 UJ	390 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	170000 U	160000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 UJ	6300 UJ	8300 UJ	7700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 UJ	790 UJ	1000 UJ	970 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	18 U	120 UJ	22 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-15 TP-R-M8-1-15(1.0-1.5) 07/20/06	AREA I B-LINE TP-R-M8-1-15 TP-R-M8-1-15(5.0-5.5) 07/20/06	AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(6.0-6.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	18 U	120 U	22 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	18 U	120 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	18 U	120 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	18 U	120 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	18 U	1200 J	8.6 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 UJ	18 UJ	120 UJ	22 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	18 U	1200 J	8.6 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(4.5-5.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	14000 UJ	2900 UJ	15000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	790 U	3400 UJ	730 UJ	3800 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 U	3400 UJ	730 UJ	3800 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 U	3400 UJ	730 UJ	3800 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 U	3400 UJ	730 UJ	3800 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	2000 U	880 U	210 U	1000 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	24000 U	11000 U	2500 U	12000 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	2000 U	880 U	210 U	1000 UJ
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	2000 U	880 U	720	1000 UJ
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	2000 U	880 U	640	1000 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	2000 U	880 U	890	1000 UJ
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	2000 U	880 U	430	1000 UJ
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	2000 U	880 U	210 U	1000 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	880 J	1800 U	410 U	2100 UJ
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	2000 U	880 U	660	1000 UJ
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2000 U	880 U	210 U	1000 UJ
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	2000 U	880 U	90 J	1000 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2000 U	880 U	210 U	1000 UJ
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	2000 U	880 U	370	1000 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	2000 U	880 U	210 U	1000 UJ
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	6200	200 J	210 U	1000 UJ
METALS	ANTIMONY	MG/KG	NS	14	340	2.37 UJ	5.24 J	2.40 U	12.3 U
METALS	ARSENIC	MG/KG	NS	20	20	6.63	10.3 U	13.9	12.3 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.415 J	2.57 U	0.820	3.07 U
METALS	CADMIUM	MG/KG	NS	39	100	1.03	2.57 U	0.307 J	3.07 U
METALS	COPPER	MG/KG	NS	600	600	455 J	15.7 J	53.5	10.2
METALS	LEAD	MG/KG	NS	400	600	199	42.0	57.4	9.22 U
METALS	MERCURY	MG/KG	NS	14	270	0.383	0.242 J	1.31	0.583 U
METALS	NICKEL	MG/KG	NS	250	2400	27.4 J	5.14 UJ	16.2	6.15 U
METALS	SELENIUM	MG/KG	NS	63	3100	2.37 U	10.3 U	1.75 J	12.3 U
METALS	SILVER	MG/KG	NS	110	4100	0.893	2.57 U	0.600 U	3.07 U
METALS	THALLIUM	MG/KG	NS	2	2	2.37 U	10.3 U	1.70 J	12.3 U
METALS	ZINC	MG/KG	NS	1500	1500	366 J	381 J	416	28.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	1600 UJ	190 J	1900 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	2800 J	810 J	4100 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	1600 UJ	370 UJ	1900 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	720 UJ	3200 UJ	740 UJ	3700 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	1600 UJ	370 UJ	1900 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	2900000 J	630000 UJ	150000 U	740000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	84000 J	32000 UJ	7400 UJ	37000 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 UJ	4000 UJ	930 UJ	4700 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	410 U	90 U	110 U	110 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(4.5-5.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	410 U	90 U	110 U	110 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	410 U	90 U	110 U	110 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	410 U	90 U	110 U	110 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	410 U	90 U	110 U	110 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	690	90 U	110 U	110 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	410 UJ	90 UJ	1300 J	110 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	690	90 U	1300 J	110 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(2.0-2.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 UJ	13000 UJ	2600 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	820 UJ	3400 UJ	650 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	820 UJ	3400 UJ	650 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	820 UJ	3400 UJ	650 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	820 UJ	3400 UJ	650 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	910 UJ	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2700 U	11000 UJ	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	910 UJ	100 J	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	910 UJ	53 J	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	910 UJ	64 J	41 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	46 J	910 UJ	130 J	82 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	910 UJ	37 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	910 UJ	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	450 U	1800 UJ	370 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	910 UJ	79 J	69 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	910 UJ	140 J	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	910 UJ	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	910 UJ	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	910 UJ	50 J	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	910 UJ	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	910 UJ	100 J	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.57 U	10.5 U	2.19 UJ	2.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.80	10.5 U	4.78	5.96
METALS	BERYLLIUM	MG/KG	NS	2	2	0.212 J	2.63 U	0.372 J	0.565 J
METALS	CADMIUM	MG/KG	NS	39	100	0.273 J	2.63 U	0.548 U	0.587 U
METALS	COPPER	MG/KG	NS	600	600	18.7	11.2	19.2	32.1
METALS	LEAD	MG/KG	NS	400	600	26.3	8.47	37.5	36.1
METALS	MERCURY	MG/KG	NS	14	270	0.0280 J	0.186 J	0.0342 J	0.117 J
METALS	NICKEL	MG/KG	NS	250	2400	14.4	5.25 U	9.55	9.36
METALS	SELENIUM	MG/KG	NS	63	3100	2.57 U	10.5 U	2.19 U	2.35 U
METALS	SILVER	MG/KG	NS	110	4100	0.644 U	2.63 U	0.346 J	0.284 J
METALS	THALLIUM	MG/KG	NS	2	2	2.57 U	8.12 J	2.19 U	2.35 U
METALS	ZINC	MG/KG	NS	1500	1500	441	48.5	35.1 J	31.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 UJ	1600 UJ	330 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	600 J	3500 J	330 UJ	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 UJ	1600 UJ	330 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	800 UJ	3300 UJ	660 UJ	720 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	400 UJ	1600 UJ	330 UJ	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	660000 U	130000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8000 UJ	33000 UJ	6600 UJ	7200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 UJ	4100 UJ	820 UJ	900 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	230 U	93 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(2.0-2.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	230 U	93 U	19 U	20 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	230 U	93 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	230 U	93 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	230 U	93 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	230 U	93 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	230 UJ	93 UJ	15 J	20 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	230 U	93 U	15 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(1.0-1.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 UJ	18000 UJ	3400 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	720 UJ	4500 UJ	850 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	720 UJ	4500 UJ	850 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	720 UJ	4500 UJ	850 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	720 UJ	4500 UJ	850 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	1100 U	230 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	13000 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	1100 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	200 U	1100 U	110 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	200 U	1100 U	140 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	200 U	1100 U	210 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	1100 U	93 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	1100 U	230 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	390 U	2200 U	450 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	200 U	1100 U	140 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	1100 U	230 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	1100 U	47 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	1100 U	230 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	1100 U	100 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	1100 U	230 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	1100 U	230 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.16 J	2.32 U	12.6 U	2.69 U
METALS	ARSENIC	MG/KG	NS	20	20	5.89	1.11 J	12.6 U	2.39 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.792	0.165 J	3.14 U	0.195 J
METALS	CADMIUM	MG/KG	NS	39	100	2.89 U	0.179 J	3.14 U	0.605 J
METALS	COPPER	MG/KG	NS	600	600	20.2	17.1	4.90 J	17.4
METALS	LEAD	MG/KG	NS	400	600	4.94	32.0	9.43 U	23.3
METALS	MERCURY	MG/KG	NS	14	270	0.0468 J	0.191	0.112 J	0.808
METALS	NICKEL	MG/KG	NS	250	2400	17.2	11.1	6.28 U	10.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.32 U	12.6 U	2.69 U
METALS	SILVER	MG/KG	NS	110	4100	0.360 J	0.580 U	3.14 U	0.673 U
METALS	THALLIUM	MG/KG	NS	2	2	2.42	2.32 U	12.6 U	2.69 U
METALS	ZINC	MG/KG	NS	1500	1500	89.2 J	128	47.6	1820
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	350 UJ	2000 UJ	410 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	140 J	2000 UJ	410 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	350 UJ	2000 UJ	410 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 UJ	700 UJ	3900 UJ	820 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	350 UJ	2000 UJ	410 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	790000 U	60000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 UJ	7000 UJ	39000 UJ	8200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	880 UJ	4900 UJ	1000 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	110 U	23 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(1.0-1.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	110 U	23 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	110 U	23 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	110 U	23 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	110 U	23 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	110 U	23 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 UJ	20 UJ	110 UJ	23 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	110 U	23 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	16000 UJ	2500 U	14000 UJ	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	4000 UJ	140 J	3600 UJ	830 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	4000 UJ	640 U	3600 UJ	830 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	4000 UJ	640 U	3600 UJ	830 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	4000 UJ	640 U	3600 UJ	830 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	970 U	200 U	5300 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	12000 U	2400 U	64000 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	970 U	360	5300 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	970 U	350	5300 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	970 U	360	5300 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	970 U	490	5300 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	970 U	250	5300 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	970 U	200 U	5300 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	1900 U	390 U	11000 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	970 U	320	5300 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	970 U	330	5300 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	970 U	50 J	5300 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	970 U	200 U	5300 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	970 U	230	5300 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	970 U	200 U	5300 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	970 U	180 J	5300 U	58 J
METALS	ANTIMONY	MG/KG	NS	14	340	11.4 U	2.30 U	12.7 U	2.34 U
METALS	ARSENIC	MG/KG	NS	20	20	11.4 U	7.59	12.7 U	4.00
METALS	BERYLLIUM	MG/KG	NS	2	2	2.84 U	0.594	3.18 U	0.516 J
METALS	CADMIUM	MG/KG	NS	39	100	0.369 J	0.375 J	3.18 U	0.133 J
METALS	COPPER	MG/KG	NS	600	600	3.65 J	47.6	6.01 J	17.4
METALS	LEAD	MG/KG	NS	400	600	6.05 J	446	7.19 J	108
METALS	MERCURY	MG/KG	NS	14	270	0.0769 J	0.159	0.632 U	0.0333 J
METALS	NICKEL	MG/KG	NS	250	2400	5.68 U	10.1	6.37 U	8.70
METALS	SELENIUM	MG/KG	NS	63	3100	11.4 U	2.30 U	12.7 U	2.34 U
METALS	SILVER	MG/KG	NS	110	4100	2.84 U	0.878	3.18 U	0.301 J
METALS	THALLIUM	MG/KG	NS	2	2	11.4 U	2.30 U	12.7 U	2.34 U
METALS	ZINC	MG/KG	NS	1500	1500	301	265	46.9	317
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	1800 UJ	550 J	1900 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1800 UJ	2000 J	720 J	150 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	1800 UJ	360 UJ	1900 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	3500 UJ	710 UJ	3800 UJ	730 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	1800 UJ	360 UJ	1900 UJ	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	700000 U	190000	770000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	35000 UJ	7100 UJ	38000 UJ	7300 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	4400 UJ	890 UJ	4800 UJ	910 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	99 U	20 UJ	220 UJ	21 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	99 U	20 U	220 U	21 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	99 U	20 U	220 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	99 U	20 U	220 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	99 U	20 U	220 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	99 U	20 U	220 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	99 UJ	20 UJ	220 UJ	8.7 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	99 U	20 U	220 U	8.7 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(4.5-5.0) 07/25/06	AREA I B-LINE TP-R-M8-1-4 TP-R-M8-1-4(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-4 TP-R-M8-1-4(3.5-4.0) 07/19/06	AREA I B-LINE TP-R-M8-1-5 TP-R-M8-1-5(0.5-1.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	17000 UJ	2700 U	2900 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	4100 UJ	670 U	720 U	810 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	4100 UJ	670 U	720 U	810 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	4100 UJ	670 U	720 U	810 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	4100 UJ	670 U	720 U	810 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1100 U	180 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	13000 U	2200 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1100 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1100 U	180 U	200 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1100 U	180 U	200 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1100 U	180 U	200 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1100 U	180 U	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1100 U	180 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	2200 U	370 U	410 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	1100 U	180 U	200 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1100 U	180 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1100 U	180 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1100 U	180 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1100 U	180 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1100 U	180 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1100 U	37 J	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	12.7 U	2.15 UJ	2.35 UJ	2.18 UJ
METALS	ARSENIC	MG/KG	NS	20	20	12.7 U	2.23	1.85 J	2.52
METALS	BERYLLIUM	MG/KG	NS	2	2	3.16 U	0.434 J	0.481 J	0.477 J
METALS	CADMIUM	MG/KG	NS	39	100	3.16 U	0.537 U	0.588 U	0.546 U
METALS	COPPER	MG/KG	NS	600	600	1.50 J	12.2	12.6	20.2
METALS	LEAD	MG/KG	NS	400	600	9.49 U	8.44	4.30	19.2
METALS	MERCURY	MG/KG	NS	14	270	0.615 U	0.0129 J	0.117 U	0.0994 J
METALS	NICKEL	MG/KG	NS	250	2400	6.33 U	10.3	7.41	9.35
METALS	SELENIUM	MG/KG	NS	63	3100	12.7 U	2.15 U	2.35 U	2.18 U
METALS	SILVER	MG/KG	NS	110	4100	3.16 U	0.231 J	0.263 J	0.251 J
METALS	THALLIUM	MG/KG	NS	2	2	12.7 U	2.15 U	2.35 U	2.18 U
METALS	ZINC	MG/KG	NS	1500	1500	13.3	38.0 J	46.6 J	46.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	2000 UJ	330 UJ	370 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2000 UJ	330 UJ	370 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2000 UJ	330 UJ	370 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	3900 UJ	660 UJ	730 UJ	660 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	2000 UJ	330 UJ	370 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	800000 U	130000 U	150000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	39000 UJ	6600 UJ	7300 UJ	6600 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	4900 UJ	820 UJ	920 UJ	820 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	110 U	19 U	21 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(4.5-5.0) 07/25/06	AREA I B-LINE TP-R-M8-1-4 TP-R-M8-1-4(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-4 TP-R-M8-1-4(3.5-4.0) 07/19/06	AREA I B-LINE TP-R-M8-1-5 TP-R-M8-1-5(0.5-1.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	110 U	19 U	21 U	19 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	110 U	19 U	21 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	110 U	19 U	21 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	110 U	19 U	21 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	110 U	14 J	21 U	25 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	110 UJ	19 UJ	21 UJ	6.3 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	110 U	14 J	21 U	31.3 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-5 TP-R-M8-1-5(2.5-3.0) 07/19/06	AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-7 TP-R-M8-1-7(0.5-1.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	6000 U	4100 U	3200 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	1500 U	1000 U	800 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	1500 U	1000 U	800 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1500 U	1000 U	800 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	1500 U	1000 U	800 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	290 U	220 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	3400 U	2600 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	290 U	220 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	290 U	220 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	290 U	220 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	91 J	220 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	290 U	220 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	290 U	220 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	570 U	440 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	71 J	220 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	140 J	220 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	290 U	220 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	290 U	220 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	290 U	220 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	290 U	220 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	290 U	220 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.47 UJ	3.34 UJ	2.61 UJ	2.11 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.47	5.23	2.90	2.54
METALS	BERYLLIUM	MG/KG	NS	2	2	0.614 J	0.315 J	0.579 J	0.398 J
METALS	CADMIUM	MG/KG	NS	39	100	0.617 U	0.834 U	0.653 U	0.527 U
METALS	COPPER	MG/KG	NS	600	600	20.9	22.6	17.7	13.0
METALS	LEAD	MG/KG	NS	400	600	10.3	77.6	7.32	7.70
METALS	MERCURY	MG/KG	NS	14	270	0.0191 J	0.136 J	0.125 U	0.101 U
METALS	NICKEL	MG/KG	NS	250	2400	17.6	6.51	11.6	6.29
METALS	SELENIUM	MG/KG	NS	63	3100	2.47 U	3.34 U	2.61 U	2.11 U
METALS	SILVER	MG/KG	NS	110	4100	0.411 J	0.524 J	0.354 J	0.270 J
METALS	THALLIUM	MG/KG	NS	2	2	2.47 U	3.34 U	2.61 U	2.11 U
METALS	ZINC	MG/KG	NS	1500	1500	78.6 J	125 J	118 J	34.1 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	520 UJ	400 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	520 UJ	400 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	520 UJ	400 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	740 UJ	1000 UJ	790 UJ	650 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 UJ	520 UJ	400 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	210000 U	160000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 UJ	58000 J	7900 UJ	6500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 UJ	1300 UJ	990 UJ	810 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	29 U	22 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-5 TP-R-M8-1-5(2.5-3.0) 07/19/06	AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-7 TP-R-M8-1-7(0.5-1.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	29 U	22 U	18 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	29 U	22 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	29 U	22 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	29 U	22 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	23 J	22 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 UJ	26 J	22 UJ	18 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	49 J	22 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-7 TP-R-M8-1-7(4.5-5.0) 07/19/06	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-9 TP-R-M8-1-9(1.0-1.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	2600 U	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	830 U	2000	1600	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	830 U	660 U	740 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	830 U	660 U	740 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	830 U	660 U	740 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	890 U	970 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	11000 UJ	12000 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	890 U	970 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	1500	970 U	160 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	2400 J	970 UJ	210
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	9400 J	670 J	270
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	3700 J	220 J	97 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	890 U	970 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	1800 U	1900 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	2300	970 U	180 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	890 U	970 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	1200 J	970 UJ	46 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	890 U	970 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	2700 J	970 UJ	150 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	890 U	970 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	14000	9900	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.42 UJ	2.02 UJ	2.29 UJ	2.07 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.35 J	3.06	1.53 J	2.83
METALS	BERYLLIUM	MG/KG	NS	2	2	0.785	0.490 J	0.374 J	0.491 J
METALS	CADMIUM	MG/KG	NS	39	100	0.604 U	0.506 U	0.571 U	0.519 U
METALS	COPPER	MG/KG	NS	600	600	15.5	22.5	13.7	14.7
METALS	LEAD	MG/KG	NS	400	600	6.78	11.7	7.23	5.76
METALS	MERCURY	MG/KG	NS	14	270	0.121 U	0.0954 J	0.220	0.0992 U
METALS	NICKEL	MG/KG	NS	250	2400	11.1	9.14	6.01	6.80
METALS	SELENIUM	MG/KG	NS	63	3100	2.42 U	2.02 U	2.29 U	2.07 U
METALS	SILVER	MG/KG	NS	110	4100	0.604 U	0.292 J	0.571 U	0.226 J
METALS	THALLIUM	MG/KG	NS	2	2	2.42 U	2.02 U	2.29 U	2.07 U
METALS	ZINC	MG/KG	NS	1500	1500	51.3 J	46.4 J	37.1 J	33.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	320 UJ	350 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	320 UJ	350 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	320 UJ	350 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	740 UJ	640 UJ	700 UJ	640 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 UJ	320 UJ	350 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	1100000	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 UJ	6400 UJ	7000 UJ	6400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 UJ	800 UJ	870 UJ	800 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	18 U	20 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-7 TP-R-M8-1-7(4.5-5.0) 07/19/06	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(4.0-4.5) 07/19/06	AREA I B-LINE TP-R-M8-1-9 TP-R-M8-1-9(1.0-1.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	18 U	20 U	18 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	18 U	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	18 U	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	18 U	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	18 U	20 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 UJ	18 UJ	20 UJ	18 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	18 U	20 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-9 TP-R-M8-1-9(5.0-5.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.19 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.94 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.718
METALS	CADMIUM	MG/KG	NS	39	100	0.547 U
METALS	COPPER	MG/KG	NS	600	600	9.94
METALS	LEAD	MG/KG	NS	400	600	2.82
METALS	MERCURY	MG/KG	NS	14	270	0.111 U
METALS	NICKEL	MG/KG	NS	250	2400	8.29
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.291 J
METALS	THALLIUM	MG/KG	NS	2	2	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	46.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-9 TP-R-M8-1-9(5.0-5.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H5-01 SB-R-H5-01(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-H5-01 SB-R-H5-01(4.0-4.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(1.0-1.5) 04/07/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(5.0-5.5) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3000 U	3500 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	750 U	870 U	810 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	750 U	870 U	810 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	750 U	870 U	810 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	750 U	870 U	810 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1900 U	190 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	23000 U	2300 U	2600 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1900 U	190 U	90 J	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1900 U	190 U	150 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1900 U	190 U	150 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1900 U	190 U	240	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1900 U	190 U	120 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1900 U	190 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3800 U	380 U	430 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	1900 U	190 U	200 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1900 U	190 U	120 J	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1900 U	190 U	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1900 U	190 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1900 U	190 U	100 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1900 U	190 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1900 U	190 U	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.00 UJ	1.93 UJ	2.53 UJ	2.24 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.74	5.36 J	5.37	1.15 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.994	0.996	0.329 J	0.123 J
METALS	CADMIUM	MG/KG	NS	39	100	0.500 U	2.42 U	0.633 UJ	2.80 UJ
METALS	COPPER	MG/KG	NS	600	600	33.9	21.6 J	26.4	11.8
METALS	LEAD	MG/KG	NS	400	600	50.3	8.18 J	63.3	8.15
METALS	MERCURY	MG/KG	NS	14	270	1.64	0.0184 J	1.41	0.0250 J
METALS	NICKEL	MG/KG	NS	250	2400	16.6	15.3 J	11.4	7.50
METALS	SELENIUM	MG/KG	NS	63	3100	1.06 J	1.93 U	2.53 U	2.24 U
METALS	SILVER	MG/KG	NS	110	4100	0.500 U	0.484 U	0.633 U	0.559 U
METALS	THALLIUM	MG/KG	NS	2	2	1.09 J	1.93 U	2.53 U	3.24
METALS	ZINC	MG/KG	NS	1500	1500	110 J	66.9	95.0 J	37.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	380 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	350 UJ	380 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	380 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	350 U	380 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	350 U	380 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	160000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	7100 U	7700 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	880 U	960 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	22 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	22 U	19 U

Table B2-3

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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H5-01 SB-R-H5-01(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-H5-01 SB-R-H5-01(4.0-4.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(1.0-1.5) 04/07/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(5.0-5.5) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	22 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	22 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	22 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	24	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	24	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	48	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H6-01 TP-R-H6-01(9.0-9.5) 08/02/06	AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(2.0-2.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-02 TP-R-H6-02(6.0-6.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3000 U	3200 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	760 U	790 U	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	760 U	790 U	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	760 U	790 U	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	760 U	790 U	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	210 U	200 U	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2500 U	2400 U	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	210 U	200 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	210 U	200 U	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	210 U	200 U	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	210 U	200 U	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	210 U	200 U	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	210 U	200 U	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	410 U	400 U	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	210 U	200 U	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	210 U	200 U	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	210 U	200 U	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	210 U	200 U	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	210 U	200 U	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	210 U	200 U	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	210 U	200 U	NA
METALS	ANTIMONY	MG/KG	NS	14	340	1.60 J	2.03 UJ	2.01 UJ	1.62 J
METALS	ARSENIC	MG/KG	NS	20	20	2.36	7.34	6.85	2.25
METALS	BERYLLIUM	MG/KG	NS	2	2	0.902	0.914	1.09	0.716
METALS	CADMIUM	MG/KG	NS	39	100	0.538 U	2.53 U	2.52 U	0.515 U
METALS	COPPER	MG/KG	NS	600	600	22.3 J	23.9	22.7	17.5 J
METALS	LEAD	MG/KG	NS	400	600	7.85 J	12.6	8.80	4.12 J
METALS	MERCURY	MG/KG	NS	14	270	0.0247 J	0.0307 J	0.0227 J	0.107 U
METALS	NICKEL	MG/KG	NS	250	2400	8.80	16.6	14.7	8.45
METALS	SELENIUM	MG/KG	NS	63	3100	2.15 U	1.28 J	2.01 U	2.06 U
METALS	SILVER	MG/KG	NS	110	4100	0.538 U	0.507 U	0.503 U	0.515 U
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	2.16	2.26	2.06 U
METALS	ZINC	MG/KG	NS	1500	1500	89.1 J	89.0 J	64.4 J	61.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	360 U	360 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	360 UJ	360 UJ	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	360 U	360 U	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	360 U	360 U	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	360 U	360 U	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	140000 UJ	140000 UJ	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	7200 U	7100 U	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	900 U	890 U	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	20 U	20 U	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	20 U	20 U	NA

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H6-01 TP-R-H6-01(9.0-9.5) 08/02/06	AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(2.0-2.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-02 TP-R-H6-02(6.0-6.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	20 U	20 U	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	20 U	20 U	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	20 U	20 U	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	20 U	20 U	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	20 U	20 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	20 U	20 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(4.5-5.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-01 TP-R-H7-01(8.5-9.0) 08/02/06	AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(0.5-1.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	NA	3500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	700 U	NA	880 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	700 U	NA	880 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	700 U	NA	880 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	700 U	NA	880 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	180 U	NA	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2200 U	NA	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	180 U	NA	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	69 J	180 U	NA	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	69 J	180 U	NA	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 J	180 U	NA	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	65 J	180 U	NA	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	180 U	NA	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	360 U	NA	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	130 J	180 U	NA	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	180 U	NA	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	180 U	NA	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	180 U	NA	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	45 J	180 U	NA	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	180 U	NA	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	240	180 U	NA	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.39 UJ	2.14 UJ	1.19 J	2.43 UJ
METALS	ARSENIC	MG/KG	NS	20	20	14.9	1.39 J	1.84 J	2.81
METALS	BERYLLIUM	MG/KG	NS	2	2	0.486 J	0.144 J	0.543	0.401 J
METALS	CADMIUM	MG/KG	NS	39	100	0.599 UJ	2.68 UJ	0.532 U	0.608 UJ
METALS	COPPER	MG/KG	NS	600	600	24.5	11.6	11.8 J	11.8
METALS	LEAD	MG/KG	NS	400	600	26.9	6.54	2.02 J	15.3
METALS	MERCURY	MG/KG	NS	14	270	0.177	0.0082 J	0.106 U	0.161
METALS	NICKEL	MG/KG	NS	250	2400	13.3	5.85	7.12	9.50
METALS	SELENIUM	MG/KG	NS	63	3100	1.31 J	2.14 U	2.13 U	2.43 U
METALS	SILVER	MG/KG	NS	110	4100	0.599 U	0.536 U	0.532 U	0.608 U
METALS	THALLIUM	MG/KG	NS	2	2	4.39	3.01	2.13 U	2.43 U
METALS	ZINC	MG/KG	NS	1500	1500	71.7 J	49.4 J	32.7 J	70.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	320 U	NA	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	320 U	NA	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	320 U	NA	380 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	320 U	NA	380 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	160 J	320 U	NA	380 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	130000 UJ	NA	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	19000	6500 U	NA	7600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	810 U	NA	950 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	18 U	NA	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	18 U	NA	21 U

Table B2-3

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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(4.5-5.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-01 TP-R-H7-01(8.5-9.0) 08/02/06	AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(0.5-1.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	18 U	NA	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	18 U	NA	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	18 U	NA	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	18 U	NA	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	18 U	NA	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	18 U	NA	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(4.5-5.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-02 TP-R-H7-02(8.5-9.0) 08/02/06	AREA I DEVELOPMENT SB-R-I5-01 SB-R-I5-01(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I5-01 SB-R-I5-01(2.0-2.5) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	NA	3200 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	NA	800 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	NA	800 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	NA	800 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	NA	800 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	NA	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	NA	2500 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	NA	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	NA	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	NA	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	NA	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	NA	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	NA	420 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	NA	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	NA	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	NA	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	NA	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	NA	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	NA	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	NA	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.24 UJ	2.18 J	1.94 UJ	2.04 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.93 J	2.34	5.11	5.85
METALS	BERYLLIUM	MG/KG	NS	2	2	0.121 J	0.699	0.861	1.16
METALS	CADMIUM	MG/KG	NS	39	100	2.81 UJ	0.538 U	0.484 U	2.54 U
METALS	COPPER	MG/KG	NS	600	600	12.0	18.4 J	11.1	21.6
METALS	LEAD	MG/KG	NS	400	600	5.02	2.57 J	11.3	7.47
METALS	MERCURY	MG/KG	NS	14	270	0.0047 J	0.103 U	0.0263 J	0.103 U
METALS	NICKEL	MG/KG	NS	250	2400	7.47	9.52	14.7	15.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.24 U	2.15 U	1.94 U	2.04 U
METALS	SILVER	MG/KG	NS	110	4100	0.561 U	0.538 U	0.484 U	0.509 U
METALS	THALLIUM	MG/KG	NS	2	2	2.85	2.15 U	1.94 U	1.76 J
METALS	ZINC	MG/KG	NS	1500	1500	36.3 J	75.6 J	73.3 J	73.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	NA	380 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	NA	380 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	NA	380 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	NA	380 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	NA	380 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	NA	150000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	NA	7700 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	NA	960 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	NA	22 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	NA	22 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(4.5-5.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-02 TP-R-H7-02(8.5-9.0) 08/02/06	AREA I DEVELOPMENT SB-R-I5-01 SB-R-I5-01(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I5-01 SB-R-I5-01(2.0-2.5) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	NA	22 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	NA	22 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	NA	22 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	NA	22 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	NA	22 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	NA	22 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I5-02 SB-R-I5-02(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I5-02 TP-R-I5-02(4.5-5.0) 08/03/06	AREA I DEVELOPMENT SB-R-I6-01 SB-R-I6-01(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-I6-01 SB-R-I6-01(4.0-4.5) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2700 U	3200 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	660 U	660 U	790 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	660 U	660 U	790 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	660 U	660 U	790 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	660 U	660 U	790 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	220 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2100 U	2600 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	7 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	220 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	220 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	220 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	220 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	220 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	350 U	430 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	46 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	220 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	220 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	220 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	220 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	220 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	220 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.98 UJ	0.975 J	2.55 UJ	2.07 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.70	3.40	13.8	2.19
METALS	BERYLLIUM	MG/KG	NS	2	2	0.768	0.644	0.648	0.618
METALS	CADMIUM	MG/KG	NS	39	100	2.48 U	0.511 U	0.638 U	0.518 U
METALS	COPPER	MG/KG	NS	600	600	21.9	18.1	16.6	15.5
METALS	LEAD	MG/KG	NS	400	600	6.58	3.53 J	18.4 J	2.19 J
METALS	MERCURY	MG/KG	NS	14	270	0.0236 J	0.0170 J	0.210	0.0080 J
METALS	NICKEL	MG/KG	NS	250	2400	11.1	9.66	9.56	7.71
METALS	SELENIUM	MG/KG	NS	63	3100	1.98 U	2.04 U	1.96 J	2.07 U
METALS	SILVER	MG/KG	NS	110	4100	0.495 U	0.511 U	0.638 U	0.518 U
METALS	THALLIUM	MG/KG	NS	2	2	1.24 J	2.04 U	1.65 J	1.28 J
METALS	ZINC	MG/KG	NS	1500	1500	155 J	73.8 J	42.4 J	32.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	320 U	390 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	320 U	390 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	320 U	390 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	640 U	390 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	320 U	390 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	160000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	6400 U	7800 U	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	800 U	980 U	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I5-02 SB-R-I5-02(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I5-02 TP-R-I5-02(4.5-5.0) 08/03/06	AREA I DEVELOPMENT SB-R-I6-01 SB-R-I6-01(0.5-1.0) 04/07/06	AREA I DEVELOPMENT SB-R-I6-01 SB-R-I6-01(4.0-4.5) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 UJ	NA	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	22 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(4.5-5.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-03 SB-R-I6-03(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-03 SB-R-I6-03(2.5-3.0) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	2900 U	2900 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	870 U	730 U	720 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	870 U	730 U	720 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	870 U	730 U	720 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	870 U	730 U	720 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	200 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2700 U	2400 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	470	200 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	200 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	200 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	74 J	200 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	200 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	200 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	450 U	390 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	45 J	200 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	200 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	200 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	200 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	200 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	200 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	200 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	3.92 J	1.97 UJ	1.98 UJ	1.97 UJ
METALS	ARSENIC	MG/KG	NS	20	20	8.89	4.46	7.60	6.96
METALS	BERYLLIUM	MG/KG	NS	2	2	1.15	0.710	0.603	1.06
METALS	CADMIUM	MG/KG	NS	39	100	0.518 U	0.494 U	2.48 U	2.47 U
METALS	COPPER	MG/KG	NS	600	600	117	19.6	21.0	28.4
METALS	LEAD	MG/KG	NS	400	600	706	9.26	10.3	8.96
METALS	MERCURY	MG/KG	NS	14	270	6.83	0.0995 U	0.0210 J	0.0282 J
METALS	NICKEL	MG/KG	NS	250	2400	16.8	13.1	18.1	16.8
METALS	SELENIUM	MG/KG	NS	63	3100	1.08 J	1.97 U	1.98 U	1.97 U
METALS	SILVER	MG/KG	NS	110	4100	0.392 J	0.494 U	0.496 U	0.493 U
METALS	THALLIUM	MG/KG	NS	2	2	2.07 U	1.59 J	1.82 J	1.08 J
METALS	ZINC	MG/KG	NS	1500	1500	353 J	94.4 J	99.0 J	138 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	350 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 UJ	350 UJ	350 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	350 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	350 U	350 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	350 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	140000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7900 U	6900 U	6900 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	870 U	870 U	830 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	20 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	20 U	20 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(4.5-5.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-03 SB-R-I6-03(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-03 SB-R-I6-03(2.5-3.0) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	20 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	20 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	20 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	20 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	20 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	20 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(4.0-4.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 TP-R-I6-04(8.0-8.5) 08/03/06	AREA I DEVELOPMENT SB-R-I7-02 SB-R-I7-02(0.5-1.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	3200 U	NA	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	840 U	810 U	NA	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	840 U	810 U	NA	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	840 U	810 U	NA	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	840 U	810 U	NA	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	200 U	NA	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2400 U	NA	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	200 U	NA	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	200 U	NA	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	200 U	NA	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	200 U	NA	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	200 U	NA	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	200 U	NA	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	390 U	NA	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	200 U	NA	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	200 U	NA	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	200 U	NA	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	200 U	NA	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	200 U	NA	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	200 U	NA	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	200 U	NA	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.95 UJ	1.22 J	1.91 J	2.41 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.49	5.57 J	2.59	4.82
METALS	BERYLLIUM	MG/KG	NS	2	2	0.667	0.990	0.609	0.584 J
METALS	CADMIUM	MG/KG	NS	39	100	0.488 U	0.506 U	0.557 U	3.01 UJ
METALS	COPPER	MG/KG	NS	600	600	8.47	19.2 J	12.6	15.8
METALS	LEAD	MG/KG	NS	400	600	8.25	8.05 J	4.11 J	21.1
METALS	MERCURY	MG/KG	NS	14	270	0.0472 J	0.0284 J	0.113 UJ	0.104 J
METALS	NICKEL	MG/KG	NS	250	2400	11.1	14.2 J	9.86	8.98
METALS	SELENIUM	MG/KG	NS	63	3100	1.95 U	2.02 U	2.23 U	2.41 U
METALS	SILVER	MG/KG	NS	110	4100	0.488 U	0.506 U	0.557 U	0.602 U
METALS	THALLIUM	MG/KG	NS	2	2	3.62	2.15	2.23 U	1.90 J
METALS	ZINC	MG/KG	NS	1500	1500	194 J	108	41.9 J	57.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	360 U	NA	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 UJ	360 UJ	NA	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	360 U	NA	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	380 U	360 U	NA	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 U	360 U	NA	1000
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	150000 UJ	NA	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7600 U	7300 U	NA	7300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	950 U	910 U	NA	2000
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	21 U	NA	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	21 U	NA	21 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(4.0-4.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 TP-R-I6-04(8.0-8.5) 08/03/06	AREA I DEVELOPMENT SB-R-I7-02 SB-R-I7-02(0.5-1.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	21 U	NA	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	21 U	NA	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	21 U	NA	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	21 U	NA	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	21 U	NA	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	21 U	NA	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-17-02 SB-R-17-02(4.0-4.5) 04/07/06	AREA I DEVELOPMENT SB-R-17-02 TP-R-17-02(8.0-8.5) 08/02/06	AREA I DEVELOPMENT SB-R-J5-01 SB-R-J5-01(0.5-1.0) 04/24/06	AREA I DEVELOPMENT SB-R-J5-01 SB-R-J5-01(2.5-3.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	NA	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	NA	790 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	NA	790 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	NA	790 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	NA	790 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	NA	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	NA	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	NA	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	NA	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	NA	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	NA	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	NA	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	NA	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	NA	420 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	NA	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	NA	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	NA	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	NA	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	NA	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	NA	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	NA	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.11 UJ	2.15 UJ	2.38 UJ	2.25 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.35 J	2.20	5.67 J	4.69 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.0885 J	0.602	0.379 J	0.631
METALS	CADMIUM	MG/KG	NS	39	100	2.63 UJ	0.537 U	0.596 U	0.563 U
METALS	COPPER	MG/KG	NS	600	600	11.7	15.4 J	13.1 J	16.7 J
METALS	LEAD	MG/KG	NS	400	600	4.75	2.50 J	20.2 J	8.04 J
METALS	MERCURY	MG/KG	NS	14	270	0.105 U	0.100 U	0.0143 J	0.113 UJ
METALS	NICKEL	MG/KG	NS	250	2400	6.38	6.99	10.8	12.5
METALS	SELENIUM	MG/KG	NS	63	3100	2.11 U	2.15 U	2.38 U	2.25 U
METALS	SILVER	MG/KG	NS	110	4100	0.527 U	0.537 U	0.596 U	0.563 U
METALS	THALLIUM	MG/KG	NS	2	2	2.73	2.15 U	2.38 U	1.23 J
METALS	ZINC	MG/KG	NS	1500	1500	35.1 J	37.2 J	88.6	96.9
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	NA	380 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	NA	380 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	NA	380 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	NA	380 UJ	350 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	NA	380 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	NA	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	NA	7500 UJ	7000 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 U	NA	940 UJ	870 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	NA	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	NA	21 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I7-02 SB-R-I7-02(4.0-4.5) 04/07/06	AREA I DEVELOPMENT SB-R-I7-02 TP-R-I7-02(8.0-8.5) 08/02/06	AREA I DEVELOPMENT SB-R-J5-01 SB-R-J5-01(0.5-1.0) 04/24/06	AREA I DEVELOPMENT SB-R-J5-01 SB-R-J5-01(2.5-3.0) 04/24/06
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS		PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	NA	21 U
PCBS		PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	NA	21 U
PCBS		PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	NA	21 U
PCBS		PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	NA	21 U
PCBS		PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	NA	21 U
PCBS		TOTAL PCBS	UG/KG	50000	490	2000	18 U	NA	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(4.0-4.5) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2900 U	2900 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	810 U	730 U	730 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	810 U	730 U	730 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	810 U	730 U	730 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	810 U	730 U	730 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2300 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	560	190 U	220000	26000
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	110 J	190 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	120 J	190 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	240	190 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	110 J	190 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	380 U	390 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 J	190 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	270	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	190 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	85 J	190 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.57 UJ	2.19 UJ	2.30 UJ	2.19 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.49	5.76	7.20	4.48
METALS	BERYLLIUM	MG/KG	NS	2	2	0.852	0.838	0.486 J	1.00
METALS	CADMIUM	MG/KG	NS	39	100	0.642 U	0.549 U	0.575 U	0.547 U
METALS	COPPER	MG/KG	NS	600	600	20.9	18.1	47.4 J	26.5 J
METALS	LEAD	MG/KG	NS	400	600	43.3	12.1	610	6.10
METALS	MERCURY	MG/KG	NS	14	270	0.202	0.0276 J	0.0039 J	0.110 U
METALS	NICKEL	MG/KG	NS	250	2400	9.54	11.8	12.9	12.9
METALS	SELENIUM	MG/KG	NS	63	3100	2.57 U	2.19 U	2.30 U	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.642 U	0.549 U	0.575 U	0.547 U
METALS	THALLIUM	MG/KG	NS	2	2	2.57 U	2.19 U	1.41 J	2.05 J
METALS	ZINC	MG/KG	NS	1500	1500	86.3 J	111 J	142 J	213 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	340 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 UJ	340 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	340 U	7500 U	2000 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	340 U	350 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	340 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	130000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7900 U	6800 U	7000 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	850 U	880 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(4.0-4.5) 04/20/06
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS		PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	19 U
PCBS		PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	19 U
PCBS		PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	19 U	19 U
PCBS		PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	5.5 J	19 U	20 U
PCBS		PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	13 J	19 U	20 U
PCBS		TOTAL PCBS	UG/KG	50000	490	2000	18.5 J	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-J6-02 TP-R-J6-02(8.0-8.5) 08/03/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(1.0-1.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(4.5-5.0) 04/20/06	AREA I DEVELOPMENT SB-R-K5-01 SB-R-K5-01(0.5-1.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	2900 U	3200 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	730 U	810 U	840 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	730 U	810 U	840 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	730 U	810 U	840 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	730 U	810 U	840 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	200 U	230 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2400 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	710	200 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	37 J	200 U	230 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	57 J	200 U	230 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	300	200 U	230 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	49 J	200 U	230 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	200 U	230 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	400 U	450 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	110 J	200 U	230 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	200 U	230 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	110 J	200 U	230 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	200 U	230 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	86 J	200 U	230 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	200 U	230 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	75 J	200 U	230 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.52 J	2.16 UJ	2.38 UJ	2.69 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.24	3.96	2.97	2.11 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.897	0.371 J	0.748	0.599 J
METALS	CADMIUM	MG/KG	NS	39	100	0.532 U	0.540 U	2.97 U	0.674 U
METALS	COPPER	MG/KG	NS	600	600	20.4	932	23.0	14.2 J
METALS	LEAD	MG/KG	NS	400	600	4.94 J	4660	22.5	7.67 J
METALS	MERCURY	MG/KG	NS	14	270	0.0131 J	30.5	0.117	0.0286 J
METALS	NICKEL	MG/KG	NS	250	2400	10.4	7.93	10.5	9.49
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	1.05 J	2.38 U	2.69 U
METALS	SILVER	MG/KG	NS	110	4100	0.532 U	0.540 U	0.594 U	0.674 U
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.58	2.38 U	2.69 U
METALS	ZINC	MG/KG	NS	1500	1500	76.2 J	58.6 J	132 J	110
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	330 U	360 U	410 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	280 J	360 U	410 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	330 U	360 U	410 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	200 J	360 U	410 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	330 U	360 U	410 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	130000 UJ	140000 UJ	160000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	6600 U	7100 U	8200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	830 U	890 U	1000 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	19 U	20 U	23 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	19 U	20 U	23 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-J6-02 TP-R-J6-02(8.0-8.5) 08/03/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(1.0-1.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(4.5-5.0) 04/20/06	AREA I DEVELOPMENT SB-R-K5-01 SB-R-K5-01(0.5-1.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	19 U	20 U	23 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	19 U	20 U	23 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	19 U	20 U	23 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	19 U	20 U	23 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	19 U	20 U	23 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	19 U	20 U	23 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K5-01 SB-R-K5-01(2.5-3.0) 04/24/06	AREA I DEVELOPMENT SB-R-K5-02 SB-R-K5-02(0.5-1.0) 05/02/06	AREA I DEVELOPMENT SB-R-K5-02 SB-R-K5-02(4.5-5.0) 05/02/06	AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(0.5-1.0) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	2600 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	750 U	660 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	750 U	660 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	750 U	660 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	750 U	660 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	210 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2500 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	210 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	210 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	210 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	210 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	210 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	210 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	410 U	370 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	210 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	210 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	210 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	210 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	210 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	210 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	210 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.34 UJ	2.01 UJ	1.96 UJ	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.91 J	2.93	3.28	4.53
METALS	BERYLLIUM	MG/KG	NS	2	2	0.415 J	0.878	0.869	0.737
METALS	CADMIUM	MG/KG	NS	39	100	0.584 U	0.504 U	0.490 U	2.72 U
METALS	COPPER	MG/KG	NS	600	600	15.4 J	11.7	22.0	16.2
METALS	LEAD	MG/KG	NS	400	600	9.08 J	17.4	9.19	9.89
METALS	MERCURY	MG/KG	NS	14	270	0.111 UJ	0.0717 J	0.0175 J	0.0293 J
METALS	NICKEL	MG/KG	NS	250	2400	12.8	11.4	12.0	13.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.34 U	2.01 U	1.96 U	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	0.584 U	0.504 U	0.490 U	0.544 U
METALS	THALLIUM	MG/KG	NS	2	2	2.34 U	1.37 J	1.53 J	2.33
METALS	ZINC	MG/KG	NS	1500	1500	78.3	123 J	109 J	72.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	370 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	370 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	370 U	340 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 UJ	370 U	340 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	370 U	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	150000 U	140000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 UJ	7500 U	6800 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	930 U	850 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	21 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	21 U	19 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K5-01 SB-R-K5-01(2.5-3.0) 04/24/06	AREA I DEVELOPMENT SB-R-K5-02 SB-R-K5-02(0.5-1.0) 05/02/06	AREA I DEVELOPMENT SB-R-K5-02 SB-R-K5-02(4.5-5.0) 05/02/06	AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(0.5-1.0) 04/20/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	20 U	21 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	20 U	21 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	20 U	21 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	20 U	21 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	20 U	21 U	19 U	19 U
PCBS	TOTAL PCBS		UG/KG	50000	490	2000	20 U	21 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K6-02 SB-R-K6-02(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-K6-02 SB-R-K6-02(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K6-03 TP-R-K6-03(1.5-2.0) 08/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	3000 U	2700 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	630 U	740 U	660 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	630 U	740 U	660 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	630 U	740 U	660 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	630 U	740 U	660 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2300 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	190 U	180 U	320
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	190 U	180 U	290
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	190 U	180 U	400
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	190 U	180 U	190
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	380 U	360 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	190 U	180 U	420
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	190 U	180 U	63 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	190 U	180 U	190 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.05 UJ	0.968 J	0.944 J	1.61 J
METALS	ARSENIC	MG/KG	NS	20	20	2.32	4.34	3.23	6.88
METALS	BERYLLIUM	MG/KG	NS	2	2	0.606	0.747	0.949	0.830
METALS	CADMIUM	MG/KG	NS	39	100	0.514 U	0.564 U	0.540 U	0.554 U
METALS	COPPER	MG/KG	NS	600	600	13.0 J	11.5 J	18.2 J	22.3
METALS	LEAD	MG/KG	NS	400	600	2.34	6.66	2.24	64.1 J
METALS	MERCURY	MG/KG	NS	14	270	0.0086 J	0.0226 J	0.0056 J	0.586 J
METALS	NICKEL	MG/KG	NS	250	2400	5.53	12.9	8.43	10.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.05 U	2.26 U	2.16 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.514 U	0.564 U	0.540 U	0.554 U
METALS	THALLIUM	MG/KG	NS	2	2	1.13 J	2.26 U	1.37 J	2.22 U
METALS	ZINC	MG/KG	NS	1500	1500	44.4 J	71.6 J	56.0 J	112 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	350 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	350 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	420 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	310 U	350 U	330 U	680 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 U	350 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	120000 U	140000 U	130000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6200 U	6900 U	6600 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	780 U	1800 U	820 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K6-02 SB-R-K6-02(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-K6-02 SB-R-K6-02(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K6-03 TP-R-K6-03(1.5-2.0) 08/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	20 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K6-03 TP-R-K6-03(6.5-7.0) 08/03/06	AREA I DEVELOPMENT SB-R-K6-04 SB-R-K6-04(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-K6-04 SB-R-K6-04(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K7-01 SB-R-K7-01(0.5-1.0) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	2800 UJ	2800 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	670 UJ	700 UJ	690 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 UJ	700 UJ	690 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 UJ	700 UJ	690 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 UJ	700 UJ	690 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2200 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	190 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	190 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	190 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	190 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	370 U	370 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	190 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	190 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	190 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.979 J	1.43 J	1.18 J	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.15	10.7	2.84	17.9
METALS	BERYLLIUM	MG/KG	NS	2	2	0.522	0.813	1.07	0.583
METALS	CADMIUM	MG/KG	NS	39	100	0.519 U	0.550 U	0.549 U	0.896 J
METALS	COPPER	MG/KG	NS	600	600	13.2	20.9 J	24.8 J	10.5 J
METALS	LEAD	MG/KG	NS	400	600	2.57 J	4.82	3.96	4.80
METALS	MERCURY	MG/KG	NS	14	270	0.0184 J	0.0186 J	0.0086 J	0.0143 J
METALS	NICKEL	MG/KG	NS	250	2400	6.02	10.7	10.5	9.47
METALS	SELENIUM	MG/KG	NS	63	3100	2.08 U	2.20 U	2.20 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.519 U	0.550 U	0.549 U	0.287 J
METALS	THALLIUM	MG/KG	NS	2	2	2.08 U	1.22 J	1.73 J	2.22 U
METALS	ZINC	MG/KG	NS	1500	1500	31.0 J	88.2 J	87.2 J	71.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	340 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	340 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	340 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	620 U	340 U	330 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 U	340 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	120000 UJ	140000 U	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6200 U	6700 U	6600 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	780 U	840 U	820 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K6-03 TP-R-K6-03(6.5-7.0) 08/03/06	AREA I DEVELOPMENT SB-R-K6-04 SB-R-K6-04(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-K6-04 SB-R-K6-04(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-K7-01 SB-R-K7-01(0.5-1.0) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 UJ	19 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	19 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K7-01 SB-R-K7-01(4.5-5.0) 04/11/06	AREA I DEVELOPMENT SB-R-K7-03 SB-R-K7-03(1.0-1.5) 04/11/06	AREA I DEVELOPMENT SB-R-K7-03 SB-R-K7-03(4.0-4.5) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	730 U	660 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	730 U	660 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	730 U	660 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	730 U	660 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	370 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.24 UJ	2.15 UJ	2.11 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.05	2.23	0.856 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.793	0.738	0.460 J
METALS	CADMIUM	MG/KG	NS	39	100	1.41 J	0.812 J	0.653 J
METALS	COPPER	MG/KG	NS	600	600	15.5 J	12.5 J	9.04 J
METALS	LEAD	MG/KG	NS	400	600	7.25	5.02	2.65
METALS	MERCURY	MG/KG	NS	14	270	0.0143 J	0.0157 J	0.0065 J
METALS	NICKEL	MG/KG	NS	250	2400	12.6	10.2	5.68
METALS	SELENIUM	MG/KG	NS	63	3100	2.24 U	2.15 U	2.11 U
METALS	SILVER	MG/KG	NS	110	4100	0.336 J	0.217 J	0.527 U
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U	1.54 J	2.11 U
METALS	ZINC	MG/KG	NS	1500	1500	85.0 J	82.3 J	44.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	340 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	340 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6700 U	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	840 U	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K7-01 SB-R-K7-01(4.5-5.0) 04/11/06	AREA I DEVELOPMENT SB-R-K7-03 SB-R-K7-03(1.0-1.5) 04/11/06	AREA I DEVELOPMENT SB-R-K7-03 SB-R-K7-03(4.0-4.5) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K8-02 SB-R-K8-02(0.5-1.0) 04/06/06	AREA I DEVELOPMENT SB-R-K8-02 SB-R-K8-02(5.5-6.0) 04/06/06	AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(4.0-4.5) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2700 U	2900 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	670 U	720 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	670 U	720 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	670 U	720 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	670 U	720 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	310	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	320	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	430	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	1100	380 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	380	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	55 J	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.27 UJ	2.15 UJ	1.39 J	1.70 J
METALS	ARSENIC	MG/KG	NS	20	20	4.41	3.74	1.80 J	4.48
METALS	BERYLLIUM	MG/KG	NS	2	2	0.525 J	0.279 J	0.620	0.828
METALS	CADMIUM	MG/KG	NS	39	100	0.568 U	2.69 UJ	0.571 UJ	0.543 UJ
METALS	COPPER	MG/KG	NS	600	600	13.4	14.9	14.5 J	18.0 J
METALS	LEAD	MG/KG	NS	400	600	30.3	9.78	13.4	4.55
METALS	MERCURY	MG/KG	NS	14	270	0.0510 J	0.0071 J	0.0229 J	0.0182 J
METALS	NICKEL	MG/KG	NS	250	2400	6.89	11.3	9.13	9.62
METALS	SELENIUM	MG/KG	NS	63	3100	1.27 J	2.15 U	2.28 U	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	0.568 U	0.537 U	0.571 U	0.543 U
METALS	THALLIUM	MG/KG	NS	2	2	2.27 U	1.64 J	2.83	1.46 J
METALS	ZINC	MG/KG	NS	1500	1500	40.4	49.4 J	98.2 J	113 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	350 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6800 U	6900 U	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	850 U	870 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K8-02 SB-R-K8-02(0.5-1.0) 04/06/06	AREA I DEVELOPMENT SB-R-K8-02 SB-R-K8-02(5.5-6.0) 04/06/06	AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(4.0-4.5) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(1.5-2.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(4.0-4.5) 04/21/06	AREA I DEVELOPMENT SB-R-L5-03 SB-R-L5-03(1.0-1.5) 04/21/06	AREA I DEVELOPMENT SB-R-L5-03 SB-R-L5-03(4.17-4.67) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U	4300 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	760 U	1100 U	780 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	760 U	1100 U	780 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	760 U	1100 U	780 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	760 U	1100 U	780 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	270 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	3200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	270 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	270 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	270 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	270 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	270 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	270 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	390 U	540 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	270 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	270 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	270 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	270 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	270 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	270 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	270 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.49 J	1.72 J	3.19 UJ	1.01 J
METALS	ARSENIC	MG/KG	NS	20	20	4.20	3.10	2.52 J	1.89 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.703	0.757	0.806	0.584
METALS	CADMIUM	MG/KG	NS	39	100	0.589 UJ	2.89 UJ	2.89 J	1.06 J
METALS	COPPER	MG/KG	NS	600	600	13.4 J	17.6 J	6.86 J	17.4 J
METALS	LEAD	MG/KG	NS	400	600	28.8	12.8	20.4	5.61
METALS	MERCURY	MG/KG	NS	14	270	0.0898 J	0.0217 J	0.0629 J	0.0185 J
METALS	NICKEL	MG/KG	NS	250	2400	8.82	9.28	4.13	10.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.35 U	2.31 U	3.19 U	2.27 U
METALS	SILVER	MG/KG	NS	110	4100	0.589 U	0.578 U	0.798 U	0.568 U
METALS	THALLIUM	MG/KG	NS	2	2	2.23 J	1.49 J	3.19 U	1.82 J
METALS	ZINC	MG/KG	NS	1500	1500	112 J	99.3 J	412 J	99.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	480 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	480 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	480 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	350 U	480 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	350 U	480 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	200000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	7000 U	9700 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	880 U	1200 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	27 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	27 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(1.5-2.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(4.0-4.5) 04/21/06	AREA I DEVELOPMENT SB-R-L5-03 SB-R-L5-03(1.0-1.5) 04/21/06	AREA I DEVELOPMENT SB-R-L5-03 SB-R-L5-03(4.17-4.67) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	27 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	27 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	27 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	27 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	27 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	27 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-01 SB-R-L6-01(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L6-01 SB-R-L6-01(2.0-2.5) 04/13/06	AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(4.5-5.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	2600 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	710 U	640 U	640 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	710 U	640 U	640 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	710 U	640 U	640 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	710 U	640 U	640 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2400 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	72 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	50 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	96 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	51 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	400 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	99 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	57 J	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.36 UJ	2.14 UJ	2.25 UJ	2.09 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.85	2.64	20.4	2.69
METALS	BERYLLIUM	MG/KG	NS	2	2	0.788	0.632	0.199 J	0.614
METALS	CADMIUM	MG/KG	NS	39	100	28.1	2.73 U	0.113 J	2.67 U
METALS	COPPER	MG/KG	NS	600	600	9.12	15.5	27.1	12.4
METALS	LEAD	MG/KG	NS	400	600	7.70	4.79	44.5	3.52
METALS	MERCURY	MG/KG	NS	14	270	0.0407 J	0.0221 J	0.497	0.0190 J
METALS	NICKEL	MG/KG	NS	250	2400	10.8	13.0	8.88	8.35
METALS	SELENIUM	MG/KG	NS	63	3100	2.36 U	2.14 U	1.30 J	2.09 U
METALS	SILVER	MG/KG	NS	110	4100	0.269 J	0.369 J	0.563 U	0.523 U
METALS	THALLIUM	MG/KG	NS	2	2	2.36 U	1.91 J	2.25 U	1.07 J
METALS	ZINC	MG/KG	NS	1500	1500	92.3	70.8	50.5	67.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	340 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	340 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	340 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	330 U	340 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	330 U	340 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	6700 U	6800 U	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	830 U	840 U	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-01 SB-R-L6-01(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L6-01 SB-R-L6-01(2.0-2.5) 04/13/06	AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(4.5-5.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	19 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(4.0-4.5) 04/21/06	AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(1.0-1.5) 04/21/06	AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(5.0-5.5) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	2800 U	2900 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	820 U	710 U	730 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	820 U	710 U	730 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	820 U	710 U	730 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	820 U	710 U	730 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	180 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	360 U	370 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.36 J	0.909 J	1.89 J	2.04 J
METALS	ARSENIC	MG/KG	NS	20	20	4.24	2.67	3.41	3.96
METALS	BERYLLIUM	MG/KG	NS	2	2	0.884	0.613	0.729	0.803
METALS	CADMIUM	MG/KG	NS	39	100	2.96 UJ	2.67 UJ	0.525 J	0.559 UJ
METALS	COPPER	MG/KG	NS	600	600	11.4 J	15.1 J	18.3 J	16.8 J
METALS	LEAD	MG/KG	NS	400	600	6.80	3.14	3.41	3.15
METALS	MERCURY	MG/KG	NS	14	270	0.0058 J	0.0054 J	0.0206 J	0.0032 J
METALS	NICKEL	MG/KG	NS	250	2400	12.3	7.95	8.47	8.98
METALS	SELENIUM	MG/KG	NS	63	3100	2.37 U	2.14 U	2.14 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.592 U	0.535 U	0.536 U	0.559 U
METALS	THALLIUM	MG/KG	NS	2	2	2.32 J	1.20 J	2.42	2.43
METALS	ZINC	MG/KG	NS	1500	1500	67.8 J	49.6 J	121 J	70.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	330 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	330 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	330 U	330 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	330 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	130000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6500 U	6700 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	820 U	840 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U

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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(4.0-4.5) 04/21/06	AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(1.0-1.5) 04/21/06	AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(5.0-5.5) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-04 TP-R-L6-04(9.0-9.5) 07/25/06	AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(4.0-4.5) 04/13/06	AREA I DEVELOPMENT SB-R-L7-02 TP-R-L7-02(9.0-9.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3200 U	3000 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	790 U	740 U	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	790 U	740 U	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	790 U	740 U	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	790 U	740 U	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	220 U	190 U	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2600 U	2300 U	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	220 U	190 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	220 U	190 U	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	220 U	190 U	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	51 J	190 U	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	220 U	190 U	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	220 U	190 U	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	430 U	390 U	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	220 U	190 U	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	220 U	190 U	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	220 U	190 U	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	220 U	190 U	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	220 U	190 U	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	220 U	190 U	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	140 J	190 U	NA
METALS	ANTIMONY	MG/KG	NS	14	340	1.36 J	2.54 UJ	2.27 UJ	1.98 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.44	8.29	3.77	2.55
METALS	BERYLLIUM	MG/KG	NS	2	2	0.728	1.15	0.774	0.564
METALS	CADMIUM	MG/KG	NS	39	100	0.507 J	3.17 U	2.81 U	0.434 J
METALS	COPPER	MG/KG	NS	600	600	15.9	12.6	18.5	12.4
METALS	LEAD	MG/KG	NS	400	600	4.44	19.1	7.91	2.97
METALS	MERCURY	MG/KG	NS	14	270	0.108 U	0.0758 J	0.0243 J	0.0962 U
METALS	NICKEL	MG/KG	NS	250	2400	8.65	9.51	18.6	6.61
METALS	SELENIUM	MG/KG	NS	63	3100	2.28 U	2.54 U	2.27 U	1.98 U
METALS	SILVER	MG/KG	NS	110	4100	0.569 U	0.489 J	0.333 J	0.495 U
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U	1.34 J	2.39	1.98 U
METALS	ZINC	MG/KG	NS	1500	1500	86.2 J	89.4	67.0	37.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	390 U	350 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	390 U	350 U	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	390 U	350 U	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	390 U	350 U	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	390 U	350 U	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	170000 J	140000 UJ	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	7800 U	7000 U	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	970 U	880 U	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	22 U	20 U	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	22 U	20 U	NA

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-04 TP-R-L6-04(9.0-9.5) 07/25/06	AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(4.0-4.5) 04/13/06	AREA I DEVELOPMENT SB-R-L7-02 TP-R-L7-02(9.0-9.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	22 U	20 U	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	22 U	20 U	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	22 U	20 U	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	22 U	20 U	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	22 U	20 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	22 U	20 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-M5-01 SB-R-M5-01(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-M5-01 SB-R-M5-01(4.08-4.58) 04/21/06	AREA I DEVELOPMENT SB-R-N5-01 SB-R-N5-01(0.5-1.0) 04/27/06	AREA I DEVELOPMENT SB-R-N5-01 SB-R-N5-01(6.0-6.5) 04/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	740 U	750 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	740 U	750 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	740 U	750 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	740 U	750 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	200 U	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	200 U	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	200 U	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	400 U	410 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	200 U	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.31 UJ	1.81 J	2.48 U	2.15 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.47	2.66	2.19 J	2.74
METALS	BERYLLIUM	MG/KG	NS	2	2	0.592	0.856	0.621 U	0.727
METALS	CADMIUM	MG/KG	NS	39	100	0.577 UJ	0.591 UJ	0.240 J	0.537 U
METALS	COPPER	MG/KG	NS	600	600	12.4 J	17.8 J	8.30 J	14.8
METALS	LEAD	MG/KG	NS	400	600	7.57	6.46	14.0	3.66
METALS	MERCURY	MG/KG	NS	14	270	0.0176 J	0.0189 J	0.0252 J	0.0114 J
METALS	NICKEL	MG/KG	NS	250	2400	11.1	10.9	3.48	11.0
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.36 U	2.48 U	2.15 UJ
METALS	SILVER	MG/KG	NS	110	4100	0.577 U	0.591 U	0.621 U	0.537 U
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	1.67 J	2.48 U	1.48 J
METALS	ZINC	MG/KG	NS	1500	1500	89.6 J	68.0 J	21.7	79.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	360 U	370 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	360 U	370 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	360 U	370 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	360 U	370 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	360 U	370 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	150000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	7200 U	7500 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	900 U	930 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-M5-01 SB-R-M5-01(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-M5-01 SB-R-M5-01(4.08-4.58) 04/21/06	AREA I DEVELOPMENT SB-R-N5-01 SB-R-N5-01(0.5-1.0) 04/27/06	AREA I DEVELOPMENT SB-R-N5-01 SB-R-N5-01(6.0-6.5) 04/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	21 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-N5-03 SB-R-N5-03(0.5-1.0) 05/02/06	AREA I DEVELOPMENT SB-R-N5-03 SB-R-N5-03(2.5-3.0) 05/02/06	AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(1.5-2.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(8.5-9.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3100 U	3500 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	790 U	870 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	790 U	870 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	790 U	870 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	790 U	870 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	210 U	2300 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2500 U	27000 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	210 U	2300 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	210 U	6800	63 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	210 U	6700	59 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	210 U	10000	77 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	210 U	3400	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	210 U	2300	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	420 U	4500 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	210 U	7300	61 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	210 U	1800 J	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	210 U	1600 J	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	210 U	2300 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	210 U	4400	38 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	210 U	2300 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	210 U	1700 J	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	9.96 UJ	2.01 UJ	37.2 J	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.92 J	2.49	378	3.30
METALS	BERYLLIUM	MG/KG	NS	2	2	0.957 J	0.891	0.368 J	0.600
METALS	CADMIUM	MG/KG	NS	39	100	2.49 U	0.503 U	22.5	0.532 U
METALS	COPPER	MG/KG	NS	600	600	33.5	17.1	406	11.6
METALS	LEAD	MG/KG	NS	400	600	8.39 J	5.76	3890	14.3
METALS	MERCURY	MG/KG	NS	14	270	0.0368 J	0.0095 J	55.3 J	0.842 J
METALS	NICKEL	MG/KG	NS	250	2400	18.1	11.1	56.5	9.00
METALS	SELENIUM	MG/KG	NS	63	3100	9.96 U	2.01 U	19.0	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	2.49 U	0.503 U	1.78	0.532 U
METALS	THALLIUM	MG/KG	NS	2	2	9.96 U	1.67 J	13.0 U	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	113	65.9 J	6740 J	95.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	380 U	410 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	380 U	410 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	380 U	410 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	380 U	810 U	660 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	120 J	380 U	410 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	150000 U	230000 J	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	7500 U	38000	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	940 U	1000 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	21 U	230 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	21 U	230 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-N5-03 SB-R-N5-03(0.5-1.0) 05/02/06	AREA I DEVELOPMENT SB-R-N5-03 SB-R-N5-03(2.5-3.0) 05/02/06	AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(1.5-2.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(8.5-9.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	21 U	230 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	21 U	230 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	21 U	230 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	21 U	1800 J	7.3 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	9.3 J	21 U	1000 J	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	9.3 J	21 U	2800	7.3 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(1.5-2.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(9.5-10.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	3100 U	3500 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	870 U	770 U	860 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	870 U	770 U	860 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	870 U	770 U	860 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	870 U	770 U	860 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	2300 U	190 U	2200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	27000 U	2300 U	27000 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1100 J	190 U	1100 J	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	8400	190 U	3400	140 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	6200	190 U	3100	210
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	9200	190 U	5000	240
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	3000	190 U	1700 J	71 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	2300 U	190 U	2200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4600 U	380 U	4400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	7300	190 U	3900	170 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1800 J	190 U	2100 J	130 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1600 J	190 U	820 J	130 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2300 U	190 U	1000 J	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	3900	190 U	2300	190
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	2300 U	190 U	2200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1700 J	190 U	1400 J	38 J
METALS	ANTIMONY	MG/KG	NS	14	340	9.09 J	2.24 UJ	7.63 J	1.84 J
METALS	ARSENIC	MG/KG	NS	20	20	229	3.78	168	10.5
METALS	BERYLLIUM	MG/KG	NS	2	2	0.296 J	0.896	0.521 J	0.729
METALS	CADMIUM	MG/KG	NS	39	100	29.7	0.561 U	3.97	0.537 U
METALS	COPPER	MG/KG	NS	600	600	551	21.0	416	45.1
METALS	LEAD	MG/KG	NS	400	600	2990	9.15	2570	399
METALS	MERCURY	MG/KG	NS	14	270	44.0 J	0.0759 J	167 J	6.71 J
METALS	NICKEL	MG/KG	NS	250	2400	54.1	12.0	90.8	12.7
METALS	SELENIUM	MG/KG	NS	63	3100	25.5	2.24 U	9.58	2.15 U
METALS	SILVER	MG/KG	NS	110	4100	1.83	0.262 J	1.65	0.331 J
METALS	THALLIUM	MG/KG	NS	2	2	13.4 U	2.24 U	2.61 U	2.15 U
METALS	ZINC	MG/KG	NS	1500	1500	8180 J	320 J	5450 J	336 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	410 U	350 U	400 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	410 U	350 U	400 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	410 U	350 U	400 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	820 U	690 U	800 U	670 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	410 U	350 U	400 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	360000 J	140000 UJ	250000 J	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	13000 J	6900 U	7900 J	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 U	870 U	1000 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	460 U	20 U	230 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	460 U	20 U	230 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(1.5-2.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(9.5-10.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	460 U	20 U	230 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	460 U	20 U	230 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	460 U	20 U	230 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	460 U	20 U	230 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	6900 J	20 UJ	1100 J	65 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	6900	20 U	1100	65

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(1.0-1.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(7.5-8.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(8.0-8.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	2800 U	3500 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	850 U	690 U	870 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	850 U	690 U	870 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	850 U	690 U	870 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	850 U	690 U	870 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	2100 U	190 U	1100 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	26000 U	2300 U	13000 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	2100 U	190 U	2900	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	42000	94 J	6600	230
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	37000	95 J	5700	210
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	48000	100 J	8000	250
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	19000	54 J	3500	140 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	2100 U	190 U	1100 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4300 U	380 U	2200 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	38000	88 J	6600	240
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	930 J	190 U	1400	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	6500	190 U	1400	45 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2100 U	190 U	1100 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	23000	69 J	3700	140 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	2100 U	190 U	1100 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	2100 U	190 U	1600	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	8.69 J	2.44 J	18.7 J	2.11 J
METALS	ARSENIC	MG/KG	NS	20	20	30.4	19.7	207	10.2
METALS	BERYLLIUM	MG/KG	NS	2	2	0.656	0.635	0.356 J	0.692
METALS	CADMIUM	MG/KG	NS	39	100	18.7	5.68	38.3	2.21
METALS	COPPER	MG/KG	NS	600	600	12100	127	489	43.4
METALS	LEAD	MG/KG	NS	400	600	2670	153	2820	162
METALS	MERCURY	MG/KG	NS	14	270	81.8	2.57	50.9	3.06
METALS	NICKEL	MG/KG	NS	250	2400	33.7 J	21.8 J	73.9 J	15.7 J
METALS	SELENIUM	MG/KG	NS	63	3100	3.28	11.2 U	12.7 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.940	0.558 U	1.23	0.554 U
METALS	THALLIUM	MG/KG	NS	2	2	2.56 U	2.23 U	12.7 U	2.22 U
METALS	ZINC	MG/KG	NS	1500	1500	6920 J	845 J	9150 J	360 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	340 U	390 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	270 J	340 U	290 J	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	340 U	390 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	770 U	690 U	780 U	680 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 U	340 U	390 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	65000 J	140000 U	290000	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7700 U	6900 U	7800 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	960 U	860 U	970 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	20 U	110 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	20 U	110 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(1.0-1.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(7.5-8.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(8.0-8.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	20 U	110 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	20 U	110 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	20 U	110 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	70	20 U	290	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	130	20 U	110 U	7.6 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	200	20 U	290	7.6 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(7.5-8.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(11.0-11.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3700 U	3000 U	4000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	910 U	750 U	990 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	910 U	750 U	990 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	910 U	750 U	990 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	910 U	750 U	990 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	2300 U	190 U	1300 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	27000 U	2300 U	15000 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	2300 U	190 U	20000	4000
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1300 J	190 U	3000	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	3200	190 U	2000	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	3400	190 U	3300	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	990 J	190 U	1500	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	2300 U	190 U	1300 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4500 U	380 U	2600 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	1900 J	190 U	3500	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2300 U	190 U	9100	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	3100	190 U	740 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2300 U	190 U	1300 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	3300	190 U	1800	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	2300 U	190 U	1300 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	2300 U	190 U	1300 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.63 UJ	2.20 UJ	6.84 J	2.29 UJ
METALS	ARSENIC	MG/KG	NS	20	20	9.33	3.57	20.7	2.71
METALS	BERYLLIUM	MG/KG	NS	2	2	0.244 J	0.880	0.312 J	0.878
METALS	CADMIUM	MG/KG	NS	39	100	3.14	0.549 U	0.759 J	0.572 U
METALS	COPPER	MG/KG	NS	600	600	325	20.2	6640	22.4
METALS	LEAD	MG/KG	NS	400	600	863	5.70	2320	7.04
METALS	MERCURY	MG/KG	NS	14	270	10.9 J	0.107 U	197 J	0.321 J
METALS	NICKEL	MG/KG	NS	250	2400	51.4	12.2	104	11.5
METALS	SELENIUM	MG/KG	NS	63	3100	2.63 U	2.20 U	57.9	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	0.652 J	0.333 J	7.85	0.332 J
METALS	THALLIUM	MG/KG	NS	2	2	2.63 U	2.20 U	3.06 U	1.54 J
METALS	ZINC	MG/KG	NS	1500	1500	1190 J	153 J	3190 J	119 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	410 U	340 U	460 UJ	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	410 U	340 U	460 UJ	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	410 U	340 U	460 UJ	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	810 U	690 U	930 UJ	690 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	410 U	340 U	460 UJ	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	140000 UJ	120000 J	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8100 U	6900 U	9300 UJ	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 U	860 U	1200 UJ	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 U	19 U	260 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	19 U	260 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(7.5-8.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(11.0-11.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	19 U	260 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	23 U	19 U	260 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	19 U	260 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	25	19 U	550	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	55 J	19 UJ	260 UJ	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	80	19 U	550	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(5.5-6.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(17.0-17.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(9.0-9.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	4400 U	3200 U	3700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	810 U	1100 U	800 U	910 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	810 U	1100 U	800 U	910 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	810 U	1100 U	800 U	910 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	810 U	1100 U	800 U	910 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1100 U	1200 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	13000 U	14000 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	650 J	1200 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	520 J	640 J	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	450 J	1200	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	440 J	1300	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1100 U	510 J	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1100 U	1200 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	2200 U	2400 U	400 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	430 J	1200 J	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	43000	1200 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1100 U	890 J	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1100 U	1200 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	310 J	1000 J	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1100 U	1200 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1100 U	1200 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	31.7 J	831 J	1.88 J	5.09 J
METALS	ARSENIC	MG/KG	NS	20	20	28.0	260	1.97 J	1.85 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.507 J	0.411 J	0.558 J	0.817
METALS	CADMIUM	MG/KG	NS	39	100	3.20	105	0.588 U	0.553 U
METALS	COPPER	MG/KG	NS	600	600	227	347	15.5	20.2
METALS	LEAD	MG/KG	NS	400	600	2010	98500	174	811
METALS	MERCURY	MG/KG	NS	14	270	48.2 J	19.8 J	0.310 J	0.137 J
METALS	NICKEL	MG/KG	NS	250	2400	78.1	34.7	7.59	10.2
METALS	SELENIUM	MG/KG	NS	63	3100	11.3	2.75 U	2.35 U	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.980	3.65	0.588 U	0.380 J
METALS	THALLIUM	MG/KG	NS	2	2	2.60 U	4.07	2.35 U	2.21 U
METALS	ZINC	MG/KG	NS	1500	1500	1280 J	42000 J	133 J	161 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	420 U	360 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	420 U	360 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	420 U	360 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	780 U	850 U	730 U	690 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	420 U	360 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	97000 J	170000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7800 U	8500 U	7300 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	1100 U	910 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	24 U	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	24 U	21 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(5.5-6.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(17.0-17.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(9.0-9.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	24 U	21 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	24 U	21 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	24 U	21 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	25	21 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 UJ	74 J	21 UJ	20 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	99	21 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(6.0-6.5) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(8.5-9.0) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(0.5-1.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	4700 U	7000 UJ	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	1200 U	1700 UJ	850 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	1200 U	1700 UJ	850 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	1200 U	1700 UJ	850 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	1200 U	1700 UJ	850 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	330 U	480 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	3900 U	5700 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	330 U	480 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	62 J	85 J	480 U	690
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	58 J	75 J	480 U	550
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	93 J	96 J	480 U	830
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	330 U	480 U	310
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	330 U	480 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	650 U	960 U	450 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	78 J	100 J	480 U	670
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	330 U	480 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	330 U	480 U	120 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	330 U	480 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	330 U	480 U	340
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	330 U	480 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	330 U	480 U	220 U
METALS	ANTIMONY	MG/KG	NS	14	340	4.78 J	1.95 J	5.69 UJ	2.67 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.64	5.42	3.57 J	6.31
METALS	BERYLLIUM	MG/KG	NS	2	2	0.781	0.537 J	0.489 J	0.827
METALS	CADMIUM	MG/KG	NS	39	100	0.244 J	1.25	0.228 J	0.667 U
METALS	COPPER	MG/KG	NS	600	600	839 J	325 J	23.6 J	43.5
METALS	LEAD	MG/KG	NS	400	600	588	641	5.88	146
METALS	MERCURY	MG/KG	NS	14	270	12.1	10.6	0.285 U	1.86 J
METALS	NICKEL	MG/KG	NS	250	2400	12.5 J	10.1 J	9.65 J	11.5
METALS	SELENIUM	MG/KG	NS	63	3100	2.22 U	3.89 U	5.69 U	2.67 U
METALS	SILVER	MG/KG	NS	110	4100	0.509 J	0.973 U	1.42 U	0.316 J
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	3.89 U	5.69 U	2.67 U
METALS	ZINC	MG/KG	NS	1500	1500	315 J	466 J	150 J	138 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	590 U	860 U	400 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	590 U	860 U	400 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	590 U	860 U	400 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	690 U	1200 U	1700 U	810 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	590 U	860 U	400 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	240000 UJ	340000 UJ	160000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	12000 U	17000 U	8100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	1500 U	2200 U	1000 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	170 U	49 U	23 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	170 U	49 U	23 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(6.0-6.5) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(8.5-9.0) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(0.5-1.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	170 U	49 U	23 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	170 U	49 U	23 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	170 U	49 U	23 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	170 U	49 U	14 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 UJ	170 UJ	49 UJ	23 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	170 U	49 U	14 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(15.0-15.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(1.5-2.0) 07/20/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(9.0-9.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3200 U	2900 U	2900 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	800 U	730 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	800 U	730 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	800 U	730 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	800 U	730 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	190 J	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	180 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	410	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	190 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	380 U	380 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	220	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	170 J	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	42 J	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	120 J	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	150 J	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	60 J	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.22 UJ	2.30 UJ	4.12 J	1.15 J
METALS	ARSENIC	MG/KG	NS	20	20	1.69 J	2.97	11.7	1.05 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.804	0.730	0.756	0.548 J
METALS	CADMIUM	MG/KG	NS	39	100	0.554 U	0.575 U	1.12	0.142 J
METALS	COPPER	MG/KG	NS	600	600	18.3	13.3	210	7.90
METALS	LEAD	MG/KG	NS	400	600	6.81	3.95	611	8.08
METALS	MERCURY	MG/KG	NS	14	270	0.0854 J	0.0347 J	2.52	0.117 U
METALS	NICKEL	MG/KG	NS	250	2400	14.2	13.5	13.2	9.31
METALS	SELENIUM	MG/KG	NS	63	3100	2.22 U	2.30 U	2.29 U	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	0.360 J	0.206 J	0.465 J	0.572 U
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.30 U	2.29 U	2.29 U
METALS	ZINC	MG/KG	NS	1500	1500	125 J	100 J	400	66.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	350 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	350 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	350 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	680 U	690 U	690 UJ	710 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	350 U	350 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	6900 U	12000 J	7100 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	860 U	870 UJ	880 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	98 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	98 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(15.0-15.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-5 TP-R-K5-2-5(8.0-8.5) 07/27/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(1.5-2.0) 07/20/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(9.0-9.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	98 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	98 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	98 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	98 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 UJ	20 UJ	98 UJ	20 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	98 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-10 TP-R-M5-3-10(1.5-2.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(1.0-1.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 UJ	2900 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 UJ	730 U	770 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 UJ	730 U	770 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 UJ	730 U	770 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 UJ	730 U	310 J	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	190 U	200 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2300 U	2400 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 J	140 J	200 UJ
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	130 J	2300	200 UJ
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	220	2800	200 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	47 J	960	3900	200 UJ
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	360	1800	200 UJ
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	190 U	200 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	110 J	390 UJ
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	58 J	240	3000	200 UJ
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	7700	190 U	330 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200	710	200 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	420	190 U	100 J
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	310	2000	200 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	190 U	200 UJ
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	51 J	1500	410	250 J
METALS	ANTIMONY	MG/KG	NS	14	340	1.03 J	1.37 J	1.22 J	1.6 J
METALS	ARSENIC	MG/KG	NS	20	20	12.6	15.9	10.7	3.38
METALS	BERYLLIUM	MG/KG	NS	2	2	0.410 J	0.686	0.467 J	0.339 J
METALS	CADMIUM	MG/KG	NS	39	100	0.455 J	0.599	1.19	0.559 J
METALS	COPPER	MG/KG	NS	600	600	58.7 J	34.3	224	79.6
METALS	LEAD	MG/KG	NS	400	600	179	185	141	347
METALS	MERCURY	MG/KG	NS	14	270	1.30	0.381	3.01	0.0455 J
METALS	NICKEL	MG/KG	NS	250	2400	11.2	12.6	8.92	9.47
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 U	2.27 U	2.28 U	2.27 U
METALS	SILVER	MG/KG	NS	110	4100	0.255 J	0.567 U	0.57 U	0.567 U
METALS	THALLIUM	MG/KG	NS	2	2	2.19 U	2.27 U	2.28 U	2.27 U
METALS	ZINC	MG/KG	NS	1500	1500	337 J	115 J	875 J	200 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	160 J	350 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	340 UJ	350 UJ	500 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	340 UJ	350 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 UJ	690 UJ	690 UJ	710 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	340 UJ	350 UJ	460 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	210000	310000 J	170000 J	7400000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	28000 J	4500 J	45000 J	280000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 UJ	860 UJ	360 J	2400 J
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	38 U	19 U	20 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-10 TP-R-M5-3-10(1.5-2.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(1.0-1.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	38 U	19 U	20 U	20 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	38 U	19 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	38 U	19 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	38 U	19 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	38 U	160	160	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	330	83	100	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	330	243	260	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(8.0-8.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(1.5-2.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(7.5-8.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(0.5-1.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	3200 UJ	3600 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	870 U	150 J	890 U	820 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	870 U	800 UJ	890 U	820 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	870 U	800 UJ	890 U	820 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	870 U	800 UJ	890 U	820 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	210 U	220 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2700 U	2600 U	2700 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	18000	220 U	280
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	300	220 U	400
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	320	220 U	400
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	720	220 U	730
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	330	220 U	360
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	210 U	220 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	450 U	230 J	450 U	200 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	430	220 U	440
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	22000	220 U	640
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	65 J	220 U	74 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	290	220 U	180 J
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	220	220 U	240
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	210 U	220 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	50 J	1300	220 U	300
METALS	ANTIMONY	MG/KG	NS	14	340	2.67 UJ	4.25	2.57 U	4.29
METALS	ARSENIC	MG/KG	NS	20	20	3	70.5	2.57 U	35.9
METALS	BERYLLIUM	MG/KG	NS	2	2	0.856	0.432 J	0.652	0.485 J
METALS	CADMIUM	MG/KG	NS	39	100	0.748	3.50	0.642 U	1.95
METALS	COPPER	MG/KG	NS	600	600	19.3	1050	5.61	364
METALS	LEAD	MG/KG	NS	400	600	19.2	1250	7.07	1840
METALS	MERCURY	MG/KG	NS	14	270	0.035 J	0.935	0.0136 J	1.15
METALS	NICKEL	MG/KG	NS	250	2400	12.8	31.5	12.5	30.7
METALS	SELENIUM	MG/KG	NS	63	3100	2.67 U	2.51 U	2.57 U	2.40 U
METALS	SILVER	MG/KG	NS	110	4100	0.666 U	5.54	0.290 J	11.1
METALS	THALLIUM	MG/KG	NS	2	2	2.67 U	2.51 U	2.57 U	2.40 U
METALS	ZINC	MG/KG	NS	1500	1500	338 J	2650	154	1660
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 UJ	380 UJ	400 UJ	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 UJ	400 J	400 UJ	210 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 UJ	380 UJ	400 UJ	370 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	810 UJ	770 UJ	800 UJ	750 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	400 UJ	380 UJ	400 UJ	370 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	270000	160000 U	390000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8100 UJ	30000 J	8000 UJ	7700 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 UJ	960 UJ	1000 UJ	940 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 U	220 U	23 U	420 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(8.0-8.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(1.5-2.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(7.5-8.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(0.5-1.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	220 U	23 U	420 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	220 U	23 U	420 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	23 U	220 U	23 U	420 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	220 U	23 U	420 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	23 U	1800	23 U	2500
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	23 U	2000 J	23 UJ	1100 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	23 U	3800 J	23 U	3600 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(13.0-13.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(6.5-7.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(1.0-1.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(6.5-7.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	4900 UJ	2900 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	1200 UJ	720 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	1200 UJ	720 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	1200 UJ	720 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	1200 UJ	720 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	1600 U	420 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	19000 U	5000 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	1600 U	420 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	1600 U	120 J	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	1600 U	87 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	1600 U	450 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	1600 U	120 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	1600 U	420 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	3200 U	320 J	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	2300	150 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	1600 U	1900	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	1600 U	420 UJ	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	1600 U	420 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	1600 U	420 UJ	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	1600 U	420 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	1600 U	1600	75 J
METALS	ANTIMONY	MG/KG	NS	14	340	2.26 U	3.89 U	11.7 J	2.27 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.29 J	15.1	108	2.01 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.672	0.259 J	0.715	0.769
METALS	CADMIUM	MG/KG	NS	39	100	0.564 U	2.77	4.52	0.129 J
METALS	COPPER	MG/KG	NS	600	600	18.6	302	1090 J	17.9 J
METALS	LEAD	MG/KG	NS	400	600	11.4	254	963	8.70
METALS	MERCURY	MG/KG	NS	14	270	0.113 U	0.252	0.518 J	0.113 UJ
METALS	NICKEL	MG/KG	NS	250	2400	9.17	45.4	38.4	11.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.26 U	3.89 U	2.51 U	2.27 U
METALS	SILVER	MG/KG	NS	110	4100	0.277 J	0.986	1.21	0.566 U
METALS	THALLIUM	MG/KG	NS	2	2	1.50 J	3.89 U	2.51 U	2.27 U
METALS	ZINC	MG/KG	NS	1500	1500	102	4350	3470	83.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	210 J	380 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	600 J	2900 J	380 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	580 UJ	380 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	680 UJ	1200 UJ	750 U	710 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	580 UJ	5300	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	28000000	1500000 J	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 UJ	12000 UJ	65000	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 UJ	1500 UJ	750 J	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	330 U	210 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(13.0-13.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(6.5-7.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(1.0-1.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(6.5-7.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	330 U	210 U	20 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	330 U	210 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	330 U	210 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	330 U	210 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	330 U	660	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	12 J	4000 J	210 UJ	20 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	12 J	4000 J	660	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(1.5-2.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(5.0-5.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(7.0-7.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3800 UJ	3000 U	3000 UJ	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	950 UJ	750 U	760 UJ	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	950 UJ	750 U	760 UJ	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	950 UJ	750 U	760 UJ	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	950 UJ	750 U	760 UJ	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	260 U	190 U	220 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	3200 U	2300 U	2700 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	550	190 U	30000	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	260 U	190 U	220 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	260 U	190 U	460 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	85 J	190 U	1100 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	260 U	190 U	320 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	260 U	190 U	220 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	320 J	390 U	110 J	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	260 U	190 U	290	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	650	190 U	24000 J	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	260 U	190 U	220 UJ	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	350	190 U	96 J	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	260 U	190 U	480 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	260 U	190 U	220 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	98 J	190 U	2300	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	43.3 J	2.28 UJ	25.1 J	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	116	3.55	70.4	2.03 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.344 J	0.805	0.492 J	0.606
METALS	CADMIUM	MG/KG	NS	39	100	78.6	0.159 J	34.5	0.166 J
METALS	COPPER	MG/KG	NS	600	600	3260 J	15.2 J	1570 J	16.6 J
METALS	LEAD	MG/KG	NS	400	600	26100	11.5	7500	53.0
METALS	MERCURY	MG/KG	NS	14	270	2.39 J	0.113 UJ	2.98 J	0.0437 J
METALS	NICKEL	MG/KG	NS	250	2400	54.7	12.0	104	15.6
METALS	SELENIUM	MG/KG	NS	63	3100	3.08 U	2.28 U	13.1 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	17.2	0.571 U	6.50	0.558 U
METALS	THALLIUM	MG/KG	NS	2	2	3.08 U	2.28 U	2.63 U	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	175000	126	68500	439
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	480 U	350 U	310 J	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	480 U	350 U	190 J	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	480 U	350 U	400 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	950 U	700 U	800 U	680 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	3500	350 U	10000	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	190000 UJ	140000 UJ	220000 J	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	9500 U	7000 U	8000 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1300	870 UJ	2600 J	850 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	1300 U	20 U	900 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(1.5-2.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(5.0-5.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(7.0-7.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	1300 U	20 U	900 U	19 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	1300 U	20 U	900 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	1300 U	20 U	900 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	1300 U	20 U	900 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	1300 U	20 U	4700 J	14 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	1300 U	20 U	900 UJ	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	1300 U	20 U	4700 J	14 J

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface

VOCS = Volatile organic constituents

SVOCS = Semi-volatile organic constituents

E&E = Explosive and energetic constituents

PCBS = Polychlorinated biphenyls

IGWSCC = Impact to groundwater soil cleanup criteria

RDCSCC = Residential direct contact soil cleanup criteria

NRDCSCC = Non-residential direct contact soil cleanup criteria

NA = Not analyzed

NS = No standard

TP = Test pit

U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit

J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

B = Indicates that the constituent was found in the associated blank

Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC

Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(12.0-12.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(5.0-5.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(0.5-1.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3000 U	2800 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	740 U	700 U	91 J
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	740 U	700 U	790 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	740 U	700 U	790 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	740 U	700 U	790 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2400 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210	190 U	200 U	1500
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	66 J	190 U	200 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	76 J	190 U	200 U	210 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	370 J	190 U	200 U	97 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	120 J	190 U	200 U	63 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	140 J	380 U	390 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	83 J	190 U	200 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	480	190 U	200 U	240
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 UJ	190 U	200 U	210 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	240	190 U	200 U	88 J
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	47 J	190 U	200 U	210 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	810	190 U	200 U	340
METALS	ANTIMONY	MG/KG	NS	14	340	3.34 J	2.27 UJ	1.70 J	2.56 J
METALS	ARSENIC	MG/KG	NS	20	20	29.8	3.97	8.60	10.2
METALS	BERYLLIUM	MG/KG	NS	2	2	0.677	0.804	0.672	1.04
METALS	CADMIUM	MG/KG	NS	39	100	2.28	0.188 J	0.752	0.651
METALS	COPPER	MG/KG	NS	600	600	321 J	21.4 J	91.2 J	127 J
METALS	LEAD	MG/KG	NS	400	600	753	72.6	30.0	2300
METALS	MERCURY	MG/KG	NS	14	270	0.330 J	0.114 UJ	0.0203 J	0.261 J
METALS	NICKEL	MG/KG	NS	250	2400	23.0	11.6	20.9	14.7
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.27 U	2.33 U	2.37 U
METALS	SILVER	MG/KG	NS	110	4100	1.03	0.566 U	0.582 U	0.779
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.27 U	2.33 U	2.37 U
METALS	ZINC	MG/KG	NS	1500	1500	2060	180	202	632
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	350 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	350 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	350 U	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 U	690 U	710 U	740 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	350 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	630000 J	140000 UJ	140000 UJ	130000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	18000	6900 U	7100 U	5200 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	860 UJ	880 UJ	920 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	400 U	19 U	20 U	100 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(12.0-12.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(5.0-5.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(0.5-1.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	400 U	19 U	20 U	100 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	400 U	19 U	20 U	100 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	400 U	19 U	20 U	100 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	400 U	19 U	20 U	100 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	1900 J	19 U	20 U	520 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	400 UJ	19 U	20 U	660
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	1900 J	19 U	20 U	1180 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(10.5-11.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(1.0-1.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(8.0-8.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(0.5-1.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2800 UJ	2800 U	3500 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	700 UJ	690 U	710 J
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	700 UJ	690 U	860 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	700 UJ	690 U	860 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	700 UJ	690 U	860 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	53 J	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	370 U	370 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	44 J	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	150 J	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	40 J	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.18 UJ	2.16 UJ	2.18 UJ	2.25 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.16 J	8.10	4.49	4.62
METALS	BERYLLIUM	MG/KG	NS	2	2	0.793	0.752	0.862	0.656
METALS	CADMIUM	MG/KG	NS	39	100	0.140 J	0.286 J	0.545 U	0.189 J
METALS	COPPER	MG/KG	NS	600	600	47.3 J	40.5 J	17.7 J	13.4 J
METALS	LEAD	MG/KG	NS	400	600	23.6	618	6.02	16.3
METALS	MERCURY	MG/KG	NS	14	270	0.103 UJ	2.12	0.108 U	0.115 UJ
METALS	NICKEL	MG/KG	NS	250	2400	9.82	9.07 J	13.2 J	10.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.18 U	2.16 U	2.18 U	2.25 U
METALS	SILVER	MG/KG	NS	110	4100	0.546 U	0.491 J	0.244 J	0.562 U
METALS	THALLIUM	MG/KG	NS	2	2	2.18 U	2.16 U	2.18 U	2.25 U
METALS	ZINC	MG/KG	NS	1500	1500	118	227 J	75.8 J	83.2
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	340 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	340 U	340 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 U	340 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 U	670 U	670 U	690 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	340 U	340 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 U	140000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	6700 U	6700 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 UJ	840 U	840 U	870 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(10.5-11.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(1.0-1.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(8.0-8.5) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(0.5-1.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	43	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	72	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	115	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(9.5-10.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(7.5-8.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(1.0-1.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2700 U	3200 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	170 J	790 U	99 J
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	670 U	790 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	670 U	790 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	670 U	790 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	900 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	11000 U	2400 U	2300 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	51000	15000	200 U	2800
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	73 J	900 U	200 U	110 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	42 J	900 UJ	200 U	200 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	92 J	900 UJ	200 U	950 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 UJ	900 UJ	200 U	400 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	900 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	1800 U	400 U	610
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	110 J	900 U	200 U	220
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 UJ	4900	200 U	570
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 UJ	900 UJ	200 U	120 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	1100	200 U	390
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 UJ	900 UJ	200 U	290 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	900 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	540000 J	4700	200 U	1200
METALS	ANTIMONY	MG/KG	NS	14	340	4.63 J	2.15 UJ	2.30 UJ	3.16 J
METALS	ARSENIC	MG/KG	NS	20	20	12.5	6.92	5.23	10.1
METALS	BERYLLIUM	MG/KG	NS	2	2	0.557 J	0.341 J	1.09	0.428 J
METALS	CADMIUM	MG/KG	NS	39	100	0.823	0.423 J	0.106 J	0.694
METALS	COPPER	MG/KG	NS	600	600	347 J	183 J	18.5 J	157
METALS	LEAD	MG/KG	NS	400	600	1360	672	11.7	668
METALS	MERCURY	MG/KG	NS	14	270	0.784 J	0.244 J	0.0122 J	0.566
METALS	NICKEL	MG/KG	NS	250	2400	20.9	7.98	12.8	11
METALS	SELENIUM	MG/KG	NS	63	3100	2.41 U	2.15 U	2.30 U	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.882	0.537 U	0.575 U	0.752
METALS	THALLIUM	MG/KG	NS	2	2	2.41 U	2.15 U	2.30 U	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	968	521	104	277 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 U	360 U	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	330 U	360 U	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	330 U	360 U	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	720 U	650 U	720 U	680 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	1600	360 U	2400 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	3500000 J	140000 UJ	580000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	89000	7200 U	12000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 UJ	810 UJ	900 UJ	850 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	41 U	18 U	20 U	190 UJ

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(9.5-10.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(7.5-8.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(1.0-1.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	41 U	18 U	20 U	190 UJ
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	41 U	18 U	20 U	190 UJ
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	41 U	18 U	20 U	190 UJ
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	41 U	18 U	20 U	190 UJ
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	41 U	18 U	20 U	1600 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	200 J	15 J	20 U	210 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	200 J	15 J	20 U	1810

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(9.0-9.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(8.0-8.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 UJ	3300 U	2800 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	790 UJ	840 U	700 U	660 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 UJ	840 U	700 U	660 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 UJ	840 U	700 U	660 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 UJ	840 U	700 U	660 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	220 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2600 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	100 J	220 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	42 J	220 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	51 J	220 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	83 J	220 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	220 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	220 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 J	440 U	360 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	66 J	220 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	160 J	220 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	220 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	270	220 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	220 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	220 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	120 J	220 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.38 J	2.62 UJ	2.98 J	2.08 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.12	2.3 J	2.91	3.80
METALS	BERYLLIUM	MG/KG	NS	2	2	0.277 J	0.952	0.645	0.883
METALS	CADMIUM	MG/KG	NS	39	100	2.69	0.449 J	0.123 J	0.391 J
METALS	COPPER	MG/KG	NS	600	600	77.5	22	17.1 J	29.9 J
METALS	LEAD	MG/KG	NS	400	600	256	19.3	552	6.89
METALS	MERCURY	MG/KG	NS	14	270	0.375	0.0331 J	0.0242 J	0.106 UJ
METALS	NICKEL	MG/KG	NS	250	2400	17.7	13.9	9.21	8.45
METALS	SELENIUM	MG/KG	NS	63	3100	2.41 U	2.62 U	2.15 U	2.08 U
METALS	SILVER	MG/KG	NS	110	4100	0.601 U	0.654 U	0.538 U	0.520 U
METALS	THALLIUM	MG/KG	NS	2	2	2.41 U	2.62 U	2.15 U	2.08 U
METALS	ZINC	MG/KG	NS	1500	1500	818 J	120 J	74.1	102
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	390 UJ	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	390 UJ	330 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	390 UJ	330 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	740 UJ	790 UJ	650 U	640 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 UJ	390 UJ	330 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	53000 J	160000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	77000 J	7900 UJ	6500 U	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 J	980 UJ	820 UJ	800 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	22 U	18 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(9.0-9.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(8.0-8.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	22 U	18 U	18 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	22 U	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	22 U	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	22 U	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	150 J	22 U	18 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	56 J	22 U	18 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	206	22 U	18 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(8.5-9.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(5.0-5.5) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	3200 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	720 U	790 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	720 U	790 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	720 U	790 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	720 U	790 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	200 UJ	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2400 UJ	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	200 UJ	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	99 J	190 U	200 UJ	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	160 J	190 U	200 UJ	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	280	190 U	200 UJ	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	120 J	190 U	200 UJ	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	200 UJ	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	380 U	400 UJ	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190	190 U	200 UJ	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	200 UJ	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	200 UJ	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	200 UJ	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	130 J	190 U	200 UJ	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	200 UJ	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	100 J	190 U	200 UJ	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.988 J	2.23 UJ	2.29 J	1.25 J
METALS	ARSENIC	MG/KG	NS	20	20	5.13	6.53	8.62	3.36
METALS	BERYLLIUM	MG/KG	NS	2	2	0.329 J	0.931	1.09	0.872
METALS	CADMIUM	MG/KG	NS	39	100	4.54	1.23	0.229 J	0.532 U
METALS	COPPER	MG/KG	NS	600	600	806 J	19.3 J	154 J	28.5 J
METALS	LEAD	MG/KG	NS	400	600	216	10.1	1060	4.52
METALS	MERCURY	MG/KG	NS	14	270	0.0857 J	0.108 U	0.188	0.102 U
METALS	NICKEL	MG/KG	NS	250	2400	14.6 J	14.4 J	17.1 J	16.6 J
METALS	SELENIUM	MG/KG	NS	63	3100	3.01	2.23 U	1.16 J	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.476 J	0.366 J	1.49	0.197 J
METALS	THALLIUM	MG/KG	NS	2	2	2.12 U	2.23 U	2.08 J	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	139 J	82.9 J	567 J	99.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	360 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	340 U	360 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 U	360 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	650 U	690 U	710 U	640 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	340 U	360 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	140000 U	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400	6900 U	7600	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 U	860 U	890 U	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	3700 U	20 U	200 U	18 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(8.5-9.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(5.0-5.5) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	3700 U	20 U	200 U	18 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	3700 U	20 U	200 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	3700 U	20 U	200 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	3700 U	20 U	200 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	58000	31	340	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	3700 U	20 U	380 J	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	58000	31	720	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-5 TP-R-M5-3-5(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-5 TP-R-M5-3-5(9.5-10.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(1.0-1.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(4.5-5.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2500 UJ	4200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	700 U	630 UJ	1000 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	700 U	630 UJ	1000 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	700 U	630 UJ	1000 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	700 U	630 UJ	1000 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	180 U	250 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2200 U	3000 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	180 U	160000 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	180 U	120 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	180 U	140 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	40 J	180 U	180 U	410 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	180 U	170 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	180 U	250 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	360 U	370 U	500 UJ
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	46 J	180 U	180 U	270 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	180 U	120000 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	180 U	250 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	180 U	100 J
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	180 U	110 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	180 U	250 UJ
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	39 J	180 U	180 U	12000 J
METALS	ANTIMONY	MG/KG	NS	14	340	2.18 UJ	20.7 UJ	2.19 UJ	20.1 J
METALS	ARSENIC	MG/KG	NS	20	20	10.9	20.7 U	4.73	67.2
METALS	BERYLLIUM	MG/KG	NS	2	2	0.433 J	5.16 U	0.622	0.342 J
METALS	CADMIUM	MG/KG	NS	39	100	0.546 U	5.16 U	0.673	15.5
METALS	COPPER	MG/KG	NS	600	600	15.3 J	25.2 J	16.3	1940
METALS	LEAD	MG/KG	NS	400	600	29.3	9.13 J	11.3	8630
METALS	MERCURY	MG/KG	NS	14	270	0.0414 J	0.107 U	0.0256 J	0.566
METALS	NICKEL	MG/KG	NS	250	2400	9.17 J	10.1 J	11.8	43.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.18 U	20.7 U	2.19 U	2.92 U
METALS	SILVER	MG/KG	NS	110	4100	0.189 J	5.16 U	0.546 U	4.29
METALS	THALLIUM	MG/KG	NS	2	2	2.18 U	20.7 U	2.19 U	2.92 U
METALS	ZINC	MG/KG	NS	1500	1500	46.9 J	74.2 J	61.6	28600 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	330 U	330 UJ	350 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	330 U	330 UJ	490 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	330 U	330 UJ	450 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	680 U	650 U	660 UJ	900 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	330 U	330 UJ	4100 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	130000 UJ	530000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	6500 U	6600 UJ	9000 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	810 U	830 UJ	1500 J
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	19 U	130 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-5 TP-R-M5-3-5(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-5 TP-R-M5-3-5(9.5-10.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(1.0-1.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(4.5-5.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	19 U	130 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	19 U	130 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	19 U	130 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	19 U	130 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	19 U	1600
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20	18 U	19 U	660 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20	18 U	19 U	2260

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-7 TP-R-M5-3-7(0.5-1.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-7 TP-R-M5-3-7(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-8 TP-R-M5-3-8(1.0-1.5) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	2500 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	710 U	620 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	710 U	620 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	710 U	620 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	710 U	620 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2100 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	100 J	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	46 J	190 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	350 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	44 J	190 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 UJ	1.29 J	2.03 UJ	1.14 J
METALS	ARSENIC	MG/KG	NS	20	20	5	5.02	2.79	4.91
METALS	BERYLLIUM	MG/KG	NS	2	2	0.447 J	0.723	0.554	0.718
METALS	CADMIUM	MG/KG	NS	39	100	0.57	0.628	0.421 J	0.634
METALS	COPPER	MG/KG	NS	600	600	30	14.5	15.9	15
METALS	LEAD	MG/KG	NS	400	600	53.1	6.67	3.23	9.77
METALS	MERCURY	MG/KG	NS	14	270	0.0391 J	0.111 U	0.0992 U	0.0203 J
METALS	NICKEL	MG/KG	NS	250	2400	7.74	10.8	6.37	12.9
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	2.21 U	2.03 U	2.24 U
METALS	SILVER	MG/KG	NS	110	4100	0.532 U	0.552 U	0.507 U	0.561 U
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.21 U	2.03 U	2.24 U
METALS	ZINC	MG/KG	NS	1500	1500	304 J	72.4 J	50.8	99.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	340 UJ	320 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	340 UJ	320 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	340 UJ	320 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 UJ	680 UJ	630 UJ	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	340 UJ	320 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	6800 UJ	6300 UJ	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	850 UJ	790 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-7 TP-R-M5-3-7(0.5-1.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-7 TP-R-M5-3-7(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-8 TP-R-M5-3-8(1.0-1.5) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	46	19 U	18 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 J	19 UJ	18 UJ	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	66	19 U	18 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-8 TP-R-M5-3-8(7.5-8.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(1.5-2.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(10.0-10.5) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	2900 U	3500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	610 U	740 U	880 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	610 U	740 U	880 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	610 U	740 U	880 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	610 U	740 U	880 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	210 U	230 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2500 U	2800 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	210 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	63 J	230 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	71 J	63 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	150 J	100 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	63 J	230 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	210 U	230 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	340 U	410 U	470 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	110 J	65 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	210 U	230 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	210 U	230 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	210 U	230 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	55 J	230 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	210 U	230 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	210 U	230 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.99 UJ	1.11 J	2.73 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.58 J	7.59	5.95
METALS	BERYLLIUM	MG/KG	NS	2	2	0.387 J	0.444 J	0.303 J
METALS	CADMIUM	MG/KG	NS	39	100	0.219 J	2.82	2
METALS	COPPER	MG/KG	NS	600	600	9.34	111	75.5
METALS	LEAD	MG/KG	NS	400	600	1.95	276	184
METALS	MERCURY	MG/KG	NS	14	270	0.0963 U	0.32	0.121 J
METALS	NICKEL	MG/KG	NS	250	2400	4.59	15.2	13.5
METALS	SELENIUM	MG/KG	NS	63	3100	1.99 U	2.39 U	2.73 U
METALS	SILVER	MG/KG	NS	110	4100	0.497 U	3.89	2.12
METALS	THALLIUM	MG/KG	NS	2	2	1.99 U	2.39 U	2.73 U
METALS	ZINC	MG/KG	NS	1500	1500	35.2	31100	2520
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 UJ	370 UJ	420 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 UJ	370 UJ	420 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 UJ	370 UJ	420 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	620 UJ	740 UJ	840 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 UJ	370 UJ	420 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	120000 UJ	50000 J	170000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6200 UJ	7400 UJ	8400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	780 UJ	920 UJ	1100 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	21 U	24 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-8 TP-R-M5-3-8(7.5-8.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(1.5-2.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(10.0-10.5) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	21 U	24 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	21 U	24 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	21 U	24 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	21 U	24 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	21 U	24 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 UJ	310 J	86 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	310	86

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I10-01 SB-R-I10-01(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-I10-01 SB-R-I10-01(1.0-1.5) 03/31/06	AREA I FINISHING SB-R-I10-02 SB-R-I10-02(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-I10-02 SB-R-I10-02(2.0-2.5) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3500 U	3300 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	870 U	830 U	670 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	870 U	830 U	670 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	870 U	830 U	670 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	870 U	830 U	670 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	210 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2500 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	210 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	210 U	130 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	210 U	130 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	210 U	160 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	210 U	85 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	210 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	420 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	210 U	170 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	210 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	210 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	210 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	210 U	90 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	210 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	210 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.21 UJ	12.2 UJ	2.39 UJ	10.9 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.38	5.71 J	4.09	10.9 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.554	1.25 J	0.909	0.993 J
METALS	CADMIUM	MG/KG	NS	39	100	0.553 U	3.05 U	0.597 U	2.73 U
METALS	COPPER	MG/KG	NS	600	600	56.2	16.8	13.2	20.1
METALS	LEAD	MG/KG	NS	400	600	12.1	9.09 J	14.2	6.59 J
METALS	MERCURY	MG/KG	NS	14	270	0.0405 J	0.0558 J	0.123	0.0158 J
METALS	NICKEL	MG/KG	NS	250	2400	8.09	13.7	10.6	12.5
METALS	SELENIUM	MG/KG	NS	63	3100	1.28 J	12.2 U	2.15 J	10.9 U
METALS	SILVER	MG/KG	NS	110	4100	0.553 U	3.05 U	0.597 U	2.73 U
METALS	THALLIUM	MG/KG	NS	2	2	1.33 J	12.2 U	1.48 J	10.9 U
METALS	ZINC	MG/KG	NS	1500	1500	87.3	182	74.0	67.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	380 UJ	360 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	380 UJ	360 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	380 UJ	360 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 UJ	380 UJ	360 UJ	340 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	380 UJ	360 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	150000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 UJ	7500 UJ	7200 UJ	6700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 UJ	940 UJ	900 UJ	840 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	21 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	21 U	20 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I10-01 SB-R-I10-01(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-I10-01 SB-R-I10-01(1.0-1.5) 03/31/06	AREA I FINISHING SB-R-I10-02 SB-R-I10-02(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-I10-02 SB-R-I10-02(2.0-2.5) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	21 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	21 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	21 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	21 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	21 U	4.3 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	21 U	4.3 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I10-03 SB-R-I10-03(0.5-1.0) 04/03/06	AREA I FINISHING SB-R-I10-03 SB-R-I10-03(4.0-4.5) 04/03/06	AREA I FINISHING SB-R-I7-01 SB-R-I7-01(0.5-1.0) 04/07/06	AREA I FINISHING SB-R-I7-01 SB-R-I7-01(4.5-5.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2900 U	3200 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 U	720 U	810 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 U	720 U	810 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 U	720 U	810 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 U	720 U	810 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	210 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2500 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	210 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	120 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	130 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	220	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	87 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	210 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	370 U	410 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	190 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	210 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	210 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	210 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	88 J	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	210 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	210 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.22 UJ	2.19 UJ	2.44 UJ	2.15 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.04	2.74	4.26	3.44
METALS	BERYLLIUM	MG/KG	NS	2	2	0.969	0.831	0.244 J	0.787
METALS	CADMIUM	MG/KG	NS	39	100	2.78 U	0.548 U	3.05 UJ	2.69 UJ
METALS	COPPER	MG/KG	NS	600	600	21.9	20.1	124	15.3
METALS	LEAD	MG/KG	NS	400	600	5.69 J	4.42 J	69.2	12.4
METALS	MERCURY	MG/KG	NS	14	270	0.0450 J	0.0040 J	0.0873 J	0.0104 J
METALS	NICKEL	MG/KG	NS	250	2400	11.8	12.9	7.68	9.90
METALS	SELENIUM	MG/KG	NS	63	3100	3.80	1.66 J	2.44 U	2.15 U
METALS	SILVER	MG/KG	NS	110	4100	0.556 U	0.548 U	0.610 U	0.411 J
METALS	THALLIUM	MG/KG	NS	2	2	2.29	1.65 J	2.44 U	5.78
METALS	ZINC	MG/KG	NS	1500	1500	50.4 J	52.2 J	66.3 J	1310 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	330 U	370 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	330 U	370 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	330 U	370 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	330 U	370 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	330 U	370 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	150000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6600 U	7500 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	830 U	930 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	21 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	21 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I10-03 SB-R-I10-03(0.5-1.0) 04/03/06	AREA I FINISHING SB-R-I10-03 SB-R-I10-03(4.0-4.5) 04/03/06	AREA I FINISHING SB-R-I7-01 SB-R-I7-01(0.5-1.0) 04/07/06	AREA I FINISHING SB-R-I7-01 SB-R-I7-01(4.5-5.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	21 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	21 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	21 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	21 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	21 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	21 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
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NRDCSCC = Non-residential direct contact soil cleanup criteria
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TP = Test pit
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Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I7-01 TP-R-I7-01(8.5-9.0) 08/02/06	AREA I FINISHING SB-R-I7-03 SB-R-I7-03(1.0-1.5) 04/11/06	AREA I FINISHING SB-R-I7-03 SB-R-I7-03(4.5-5.0) 04/11/06	AREA I FINISHING SB-R-I7-04 SB-R-I7-04(0.5-1.0) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3500 U	2700 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	880 U	680 U	790 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	880 U	680 U	790 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	880 U	680 U	790 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	880 U	680 U	790 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	220 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2700 U	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	220 U	180 U	6787
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	480	180 J	500
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	280	130 J	700
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	820	360	2300
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	360	160 J	1200
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	220 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	450 U	94 J	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	1000	210	660
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	120 J	180 U	470
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	51 J	180 U	280
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	220 U	180 U	510
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	170 J	87 J	870
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	220 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	220 U	62 J	460
METALS	ANTIMONY	MG/KG	NS	14	340	1.90 J	2.69 UJ	2.22 UJ	2.33 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.88 J	9.12	3.04	11.8
METALS	BERYLLIUM	MG/KG	NS	2	2	0.541	0.751	0.860	0.720
METALS	CADMIUM	MG/KG	NS	39	100	0.537 U	0.606 J	1.47 J	1.25 J
METALS	COPPER	MG/KG	NS	600	600	12.9 J	7.84 J	18.1 J	15.7 J
METALS	LEAD	MG/KG	NS	400	600	3.27 J	15.3	8.97	27.1
METALS	MERCURY	MG/KG	NS	14	270	0.105 U	0.0878 J	0.0170 J	0.0368 J
METALS	NICKEL	MG/KG	NS	250	2400	12.1	7.98	11.5	10.0
METALS	SELENIUM	MG/KG	NS	63	3100	2.15 U	2.69 U	2.22 U	2.33 U
METALS	SILVER	MG/KG	NS	110	4100	0.537 U	0.260 J	0.450 J	0.271 J
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	1.43 J	2.22 U	1.74 J
METALS	ZINC	MG/KG	NS	1500	1500	111 J	89.6 J	100 J	172 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	400 U	330 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	400 U	330 U	660
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	400 U	330 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	400 U	330 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	400 U	330 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	160000 U	130000 U	160000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	8100 U	6700 U	76000
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	1000 U	830 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	23 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	23 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I7-01 TP-R-I7-01(8.5-9.0) 08/02/06	AREA I FINISHING SB-R-I7-03 SB-R-I7-03(1.0-1.5) 04/11/06	AREA I FINISHING SB-R-I7-03 SB-R-I7-03(4.5-5.0) 04/11/06	AREA I FINISHING SB-R-I7-04 SB-R-I7-04(0.5-1.0) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	23 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	23 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	23 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	23 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	23 U	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	23 U	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I7-04 SB-R-I7-04(4.5-5.0) 04/11/06	AREA I FINISHING SB-R-I8-01 SB-R-I8-01(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I8-01 SB-R-I8-01(4.5-5.0) 04/04/06	AREA I FINISHING SB-R-I8-02 SB-R-I8-02(0.5-1.0) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	740 U	740 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	740 U	740 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	740 U	740 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	740 U	740 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	340	190 U	110 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	310	190 U	120 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	370	190 U	190 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	170 J	190 U	95 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	370 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	310	190 U	150 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	190 U	96 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	52 J	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	210	190 U	82 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	190 U	99 J
METALS	ANTIMONY	MG/KG	NS	14	340	2.17 UJ	2.23 UJ	2.20 UJ	2.40 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.16	4.01	2.25	9.19
METALS	BERYLLIUM	MG/KG	NS	2	2	0.882	0.783	0.538 J	0.560 J
METALS	CADMIUM	MG/KG	NS	39	100	1.43 J	0.784	0.583	0.599 J
METALS	COPPER	MG/KG	NS	600	600	19.6 J	19.3	11.9	14.0
METALS	LEAD	MG/KG	NS	400	600	7.05	9.74 J	3.52 J	20.9 J
METALS	MERCURY	MG/KG	NS	14	270	0.0087 J	0.0184 J	0.109 U	0.0469 J
METALS	NICKEL	MG/KG	NS	250	2400	13.2	12.3	7.92	6.25
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 U	1.30 J	2.20 U	2.40 U
METALS	SILVER	MG/KG	NS	110	4100	0.425 J	0.557 U	0.550 U	0.601 U
METALS	THALLIUM	MG/KG	NS	2	2	2.17 U	2.23 U	2.20 U	2.40 U
METALS	ZINC	MG/KG	NS	1500	1500	85.2 J	67.4 J	40.3 J	47.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	330 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	340 U	330 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 U	330 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	340 U	330 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	340 U	330 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	130000 U	77000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	6800 U	6700 U	3900 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	840 U	830 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I7-04 SB-R-I7-04(4.5-5.0) 04/11/06	AREA I FINISHING SB-R-I8-01 SB-R-I8-01(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I8-01 SB-R-I8-01(4.5-5.0) 04/04/06	AREA I FINISHING SB-R-I8-02 SB-R-I8-02(0.5-1.0) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	10 J	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	19 U	9.2 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	10 J	19 U	9.2 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I8-02 SB-R-I8-02(2.0-2.5) 04/04/06	AREA I FINISHING SB-R-I8-03 SB-R-I8-03(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-I8-03 SB-R-I8-03(4.5-5.0) 04/06/06	AREA I FINISHING SB-R-I8-04 SB-R-I8-04(0.5-1.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 UJ	2700 U	3100 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	660 U	730 U	680 U	770 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	660 U	730 U	680 U	770 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	660 U	730 U	680 U	770 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	660 U	730 U	680 U	770 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	180 U	390 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2100 U	4700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	7600
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	180 U	390 UJ
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	180 U	390 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	180 U	510 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	180 U	210 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	180 U	390 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	360 U	790 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	180 U	190 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	180 U	5100
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	180 U	390 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	180 U	450
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	180 U	120 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	180 U	390 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	180 U	2700
METALS	ANTIMONY	MG/KG	NS	14	340	10.8 UJ	2.24 UJ	2.12 UJ	2.36 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.85 J	4.85	0.897 J	14.1
METALS	BERYLLIUM	MG/KG	NS	2	2	1.39 J	0.664	0.689	0.400 J
METALS	CADMIUM	MG/KG	NS	39	100	2.69 U	0.560 U	0.530 U	0.589 U
METALS	COPPER	MG/KG	NS	600	600	17.5	16.0	14.2	17.6
METALS	LEAD	MG/KG	NS	400	600	5.05 J	23.1	4.87 J	67.8
METALS	MERCURY	MG/KG	NS	14	270	0.0159 J	0.0425 J	0.0066 J	0.0411 J
METALS	NICKEL	MG/KG	NS	250	2400	18.6	8.83	7.93	8.40
METALS	SELENIUM	MG/KG	NS	63	3100	10.8 U	2.19 J	1.14 J	1.79 J
METALS	SILVER	MG/KG	NS	110	4100	2.69 U	0.560 U	0.299 J	0.589 U
METALS	THALLIUM	MG/KG	NS	2	2	10.8 U	1.13 J	10.6 U	2.36 U
METALS	ZINC	MG/KG	NS	1500	1500	81.5 J	74.5	61.7 J	96.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	320 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	340 U	320 U	23000
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 U	320 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	340 U	320 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	340 U	320 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 UJ	130000 U	1000000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	6800 U	6400 U	130000
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	850 U	800 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	18 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	18 U	20 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I8-02 SB-R-I8-02(2.0-2.5) 04/04/06	AREA I FINISHING SB-R-I8-03 SB-R-I8-03(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-I8-03 SB-R-I8-03(4.5-5.0) 04/06/06	AREA I FINISHING SB-R-I8-04 SB-R-I8-04(0.5-1.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	18 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	18 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	18 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	18 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	18 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	18 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I8-04 SB-R-I8-04(6.0-6.5) 04/06/06	AREA I FINISHING SB-R-I9-01 SB-R-I9-01(2.75-3.25) 04/03/06	AREA I FINISHING SB-R-I9-01 SB-R-I9-01(4.0-4.5) 04/03/06	AREA I FINISHING SB-R-I9-02 SB-R-I9-02(1.0-1.5) 04/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	2700 U	2800 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	680 U	700 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	680 U	700 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	680 U	700 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	680 U	700 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2100 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	190 U	80 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	190 U	81 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	190 U	200 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	190 U	61 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	360 U	390 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	190 U	130 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	190 U	64 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	190 U	140 J
METALS	ANTIMONY	MG/KG	NS	14	340	10.4 UJ	2.11 UJ	2.30 UJ	2.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	10.4 U	6.17	2.77	9.55
METALS	BERYLLIUM	MG/KG	NS	2	2	0.540 J	0.599	0.866	0.789
METALS	CADMIUM	MG/KG	NS	39	100	2.60 U	0.528 U	0.576 U	0.587 U
METALS	COPPER	MG/KG	NS	600	600	15.4	15.8	14.4	30.5
METALS	LEAD	MG/KG	NS	400	600	6.57 J	2.52 J	3.18 J	79.9 J
METALS	MERCURY	MG/KG	NS	14	270	0.105 U	0.104 U	0.0047 J	0.119
METALS	NICKEL	MG/KG	NS	250	2400	11.9	7.88	7.58	10.1
METALS	SELENIUM	MG/KG	NS	63	3100	10.4 U	1.81 J	1.26 J	2.35 J
METALS	SILVER	MG/KG	NS	110	4100	2.60 U	0.528 U	0.576 U	0.587 U
METALS	THALLIUM	MG/KG	NS	2	2	10.4 U	1.45 J	1.63 J	1.46 J
METALS	ZINC	MG/KG	NS	1500	1500	86.7	51.8 J	45.1 J	89.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	320 U	350 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	320 U	350 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	320 U	350 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	320 U	320 U	350 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	320 U	350 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 U	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	6400 U	7000 U	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	800 U	870 U	890 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	18 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	18 U	20 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I8-04 SB-R-I8-04(6.0-6.5) 04/06/06	AREA I FINISHING SB-R-I9-01 SB-R-I9-01(2.75-3.25) 04/03/06	AREA I FINISHING SB-R-I9-01 SB-R-I9-01(4.0-4.5) 04/03/06	AREA I FINISHING SB-R-I9-02 SB-R-I9-02(1.0-1.5) 04/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	18 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	18 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	18 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	18 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	18 U	20 U	15 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	18 U	20 U	15 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I9-02 SB-R-I9-02(4.0-4.5) 04/03/06	AREA I FINISHING SB-R-I9-02 TP-R-I9-02(8.0-8.5) 07/31/06	AREA I FINISHING SB-R-I9-03 SB-R-I9-03(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I9-03 SB-R-I9-03(2.5-3.0) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	NA	2800 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	800 U	NA	700 U	860 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	NA	700 U	860 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	NA	700 U	860 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	NA	700 U	860 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	NA	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	NA	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	NA	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	NA	200 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	NA	200 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	NA	200 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	NA	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	NA	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	NA	390 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	NA	200 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	NA	85 J	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	NA	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	NA	890	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	NA	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	NA	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	NA	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.59 UJ	2.36 J	2.29 UJ	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.37	3.23	3.90	2.61
METALS	BERYLLIUM	MG/KG	NS	2	2	1.16	0.814	0.701	0.691
METALS	CADMIUM	MG/KG	NS	39	100	3.23 U	0.555 U	0.698	0.716
METALS	COPPER	MG/KG	NS	600	600	20.4	16.4 J	15.6	11.9
METALS	LEAD	MG/KG	NS	400	600	4.96 J	4.67 J	22.7 J	3.51 J
METALS	MERCURY	MG/KG	NS	14	270	0.0159 J	0.104 U	0.120	0.107 U
METALS	NICKEL	MG/KG	NS	250	2400	12.2	9.99	9.57	8.14
METALS	SELENIUM	MG/KG	NS	63	3100	3.13	2.22 U	2.29 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.646 U	0.555 U	0.572 U	0.533 U
METALS	THALLIUM	MG/KG	NS	2	2	2.28 J	1.65 J	2.29 U	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	72.9 J	70.0 J	114 J	49.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	NA	350 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	NA	350 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	NA	350 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	NA	350 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	NA	350 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	NA	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7800 U	NA	3500 J	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	NA	880 U	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	NA	20 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	NA	20 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I9-02 SB-R-I9-02(4.0-4.5) 04/03/06	AREA I FINISHING SB-R-I9-02 TP-R-I9-02(8.0-8.5) 07/31/06	AREA I FINISHING SB-R-I9-03 SB-R-I9-03(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I9-03 SB-R-I9-03(2.5-3.0) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	NA	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	NA	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	NA	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	NA	170	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	NA	19 J	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	NA	189 J	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I9-04 SB-R-I9-04(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I9-04 SB-R-I9-04(4.0-4.5) 04/04/06	AREA I FINISHING SB-R-J10-01 SB-R-J10-01(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-J10-01 SB-R-J10-01(4.0-4.5) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2400 U	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	590 U	740 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	590 U	740 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	590 U	740 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	590 U	740 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2100 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	360	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	250	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	500	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	170 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	360 U	400 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	380	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	43 J	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	140 J	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	150 J	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.27 UJ	2.09 UJ	2.35 UJ	10.5 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.29	2.14	7.12	4.30 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.784	0.642	0.867	0.882 J
METALS	CADMIUM	MG/KG	NS	39	100	0.557 J	0.824	0.586 U	2.62 U
METALS	COPPER	MG/KG	NS	600	600	13.3	16.7	276	17.3
METALS	LEAD	MG/KG	NS	400	600	6.56 J	2.23 J	37.5	6.81 J
METALS	MERCURY	MG/KG	NS	14	270	0.0125 J	0.102 U	0.0784 J	0.0043 J
METALS	NICKEL	MG/KG	NS	250	2400	10.3	7.79	10.5	11.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.27 U	2.09 U	2.33 J	10.5 U
METALS	SILVER	MG/KG	NS	110	4100	0.568 U	0.524 U	0.586 U	2.62 U
METALS	THALLIUM	MG/KG	NS	2	2	2.27 U	2.09 U	1.61 J	10.5 U
METALS	ZINC	MG/KG	NS	1500	1500	54.9 J	96.1 J	85.3	70.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	320 U	360 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	320 U	360 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	320 U	360 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	320 U	360 UJ	320 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	320 U	360 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6400 U	7200 UJ	6500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	800 U	910 UJ	810 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U	21 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U	21 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I9-04 SB-R-I9-04(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-I9-04 SB-R-I9-04(4.0-4.5) 04/04/06	AREA I FINISHING SB-R-J10-01 SB-R-J10-01(0.5-1.0) 03/31/06	AREA I FINISHING SB-R-J10-01 SB-R-J10-01(4.0-4.5) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U	21 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U	21 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U	21 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U	21 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	18 U	6.9 J	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18 U	6.9 J	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J7-01 SB-R-J7-01(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-01 SB-R-J7-01(5.0-5.5) 04/11/06	AREA I FINISHING SB-R-J7-02 SB-R-J7-02(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-02 SB-R-J7-02(4.5-5.0) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	2700 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	870 U	680 U	770 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	870 U	680 U	770 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	870 U	680 U	770 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	870 U	680 U	770 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	180 U	300	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	180 U	160 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	180 U	170 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	180 U	750	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	180 U	350	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	360 U	400 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	180 U	310	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	180 U	970	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	180 U	70 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	180 U	650	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	180 U	170 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	180 U	310	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.43 UJ	2.08 UJ	2.39 UJ	2.26 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.43	1.43 J	97.8	5.02
METALS	BERYLLIUM	MG/KG	NS	2	2	0.734	0.708	0.332 J	0.880
METALS	CADMIUM	MG/KG	NS	39	100	1.19 J	1.47 J	1.15 J	1.74 J
METALS	COPPER	MG/KG	NS	600	600	13.9 J	15.7 J	13.3 J	16.8 J
METALS	LEAD	MG/KG	NS	400	600	21.0	3.43	31.2	6.10
METALS	MERCURY	MG/KG	NS	14	270	0.0594 J	0.0069 J	0.257	0.0082 J
METALS	NICKEL	MG/KG	NS	250	2400	9.74	9.06	8.47	12.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.43 U	2.08 U	2.39 U	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.232 J	0.258 J	0.596 U	0.362 J
METALS	THALLIUM	MG/KG	NS	2	2	1.92 J	2.08 U	1.55 J	1.70 J
METALS	ZINC	MG/KG	NS	1500	1500	106 J	79.7 J	54.4 J	78.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	330 U	360 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U	330 U	390 J	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	330 U	360 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	380 U	330 U	360 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 U	330 U	360 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	130000 U	420000	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7600 U	6600 U	120000	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	950 U	820 U	900 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	20 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J7-01 SB-R-J7-01(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-01 SB-R-J7-01(5.0-5.5) 04/11/06	AREA I FINISHING SB-R-J7-02 SB-R-J7-02(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-02 SB-R-J7-02(4.5-5.0) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	19 U	60	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	19 U	11 J	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	19 U	71 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J7-03 SB-R-J7-03(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-03 SB-R-J7-03(6.0-6.5) 04/11/06	AREA I FINISHING SB-R-J7-04 SB-R-J7-04(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-04 SB-R-J7-04(5.0-5.5) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3000 U	3200 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	670 U	750 U	790 U	790 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	750 U	790 U	790 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 U	750 U	790 U	790 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 U	750 U	790 U	790 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	370 U	400 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.09 UJ	2.17 UJ	2.31 UJ	2.24 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.21 J	1.61 J	1.61 J	1.80 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.542	0.489 J	0.583	0.564
METALS	CADMIUM	MG/KG	NS	39	100	0.910 J	2.09 J	0.762 J	1.03 J
METALS	COPPER	MG/KG	NS	600	600	8.88 J	9.73 J	13.4 J	18.5 J
METALS	LEAD	MG/KG	NS	400	600	4.39	4.21	7.76	5.18
METALS	MERCURY	MG/KG	NS	14	270	0.0130 J	0.103 U	0.0363 J	0.111 U
METALS	NICKEL	MG/KG	NS	250	2400	7.62	7.36	6.05	8.64
METALS	SELENIUM	MG/KG	NS	63	3100	2.09 U	2.17 U	2.31 U	2.24 U
METALS	SILVER	MG/KG	NS	110	4100	0.523 U	0.543 U	0.577 U	0.233 J
METALS	THALLIUM	MG/KG	NS	2	2	2.09 U	2.17 U	2.31 U	1.94 J
METALS	ZINC	MG/KG	NS	1500	1500	40.0 J	57.1 J	39.9 J	62.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	360 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	360 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	360 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	330 U	360 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	360 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	6600 U	7200 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	820 U	900 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J7-03 SB-R-J7-03(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-03 SB-R-J7-03(6.0-6.5) 04/11/06	AREA I FINISHING SB-R-J7-04 SB-R-J7-04(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J7-04 SB-R-J7-04(5.0-5.5) 04/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J8-01 SB-R-J8-01(0.75-1.25) 04/04/06	AREA I FINISHING SB-R-J8-01 SB-R-J8-01(4.5-5.0) 04/04/06	AREA I FINISHING SB-R-J8-02 SB-R-J8-02(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-J8-02 SB-R-J8-02(2.0-2.5) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2900 U	2400 UJ	2800 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	730 U	600 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	730 U	600 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	730 U	600 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	730 U	600 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	390 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	110 J	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.28 UJ	2.27 UJ	2.37 UJ	2.28 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.20	6.43	4.56	5.01
METALS	BERYLLIUM	MG/KG	NS	2	2	0.784	0.867	0.872	0.990
METALS	CADMIUM	MG/KG	NS	39	100	0.754	0.669	0.257 J	0.256 J
METALS	COPPER	MG/KG	NS	600	600	32.4	21.4	16.0	15.8
METALS	LEAD	MG/KG	NS	400	600	21.9 J	7.22 J	6.62	5.87
METALS	MERCURY	MG/KG	NS	14	270	0.0404 J	0.0148 J	0.0116 J	0.0032 J
METALS	NICKEL	MG/KG	NS	250	2400	12.5	10.8	12.5	12.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.28 U	2.27 U	1.25 J	1.30 J
METALS	SILVER	MG/KG	NS	110	4100	0.570 U	0.567 U	0.592 U	0.571 U
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U	2.27 U	1.33 J	1.35 J
METALS	ZINC	MG/KG	NS	1500	1500	61.2 J	34.2 J	68.1 J	59.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	360 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	350 U	360 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	360 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	350 U	360 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	350 U	360 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000	140000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	9000	6900 U	7100 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	870 U	890 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	390 U	20 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	390 U	20 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J8-01 SB-R-J8-01(0.75-1.25) 04/04/06	AREA I FINISHING SB-R-J8-01 SB-R-J8-01(4.5-5.0) 04/04/06	AREA I FINISHING SB-R-J8-02 SB-R-J8-02(0.5-1.0) 04/04/06	AREA I FINISHING SB-R-J8-02 SB-R-J8-02(2.0-2.5) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	390 U	20 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	390 U	20 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	390 U	20 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	1200	20 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	390 U	20 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	1200	20 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J8-03 SB-R-J8-03(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-J8-03 SB-R-J8-03(6.0-6.5) 04/06/06	AREA I FINISHING SB-R-J8-04 SB-R-J8-04(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-J8-04 SB-R-J8-04(4.5-5.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 UJ	3200 UJ	2900 UJ	3200 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	860 U	790 U	720 U	800 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	860 U	790 U	720 U	800 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	860 U	790 U	720 U	800 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	860 U	790 U	720 U	800 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2300 U	2300 UJ	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	190 U	NA	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	380 U	380 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.39 UJ	11.1 UJ	11.5 UJ	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.82	11.1 U	11.5 U	2.79
METALS	BERYLLIUM	MG/KG	NS	2	2	0.798	0.775 J	0.855 J	0.714
METALS	CADMIUM	MG/KG	NS	39	100	0.597 U	2.79 U	2.89 U	0.533 U
METALS	COPPER	MG/KG	NS	600	600	13.8	26.4	12.1	18.4
METALS	LEAD	MG/KG	NS	400	600	22.3	5.81 J	5.47 J	2.35
METALS	MERCURY	MG/KG	NS	14	270	0.0190 J	0.110 U	0.0131 J	0.0050 J
METALS	NICKEL	MG/KG	NS	250	2400	9.55	9.78	11.5	9.35
METALS	SELENIUM	MG/KG	NS	63	3100	2.27 J	11.1 U	11.5 U	1.94 J
METALS	SILVER	MG/KG	NS	110	4100	0.597 U	2.79 U	2.89 U	0.533 U
METALS	THALLIUM	MG/KG	NS	2	2	1.25 J	11.1 U	11.5 U	1.38 J
METALS	ZINC	MG/KG	NS	1500	1500	81.9	88.0	62.4	50.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	340 U	350 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	340 U	350 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	340 U	350 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	340 U	350 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	340 U	350 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	140000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 U	6900 U	6900 U	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	860 U	870 U	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J8-03 SB-R-J8-03(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-J8-03 SB-R-J8-03(6.0-6.5) 04/06/06	AREA I FINISHING SB-R-J8-04 SB-R-J8-04(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-J8-04 SB-R-J8-04(4.5-5.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	20 U	20 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J9-01 SB-R-J9-01(1.0-1.5) 04/03/06	AREA I FINISHING SB-R-J9-01 SB-R-J9-01(2.0-2.5) 04/03/06	AREA I FINISHING SB-R-J9-02 SB-R-J9-02(0.75-1.25) 04/04/06	AREA I FINISHING SB-R-J9-02 SB-R-J9-02(2.0-2.5) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	3200 U	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	860 U	800 U	740 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	860 U	800 U	740 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	860 U	800 U	740 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	860 U	800 U	740 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	48 J	190 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	90 J	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	77 J	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.36 UJ	2.26 UJ	2.39 UJ	2.16 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.28	3.88	3.79	3.47
METALS	BERYLLIUM	MG/KG	NS	2	2	0.872	0.789	0.866	0.796
METALS	CADMIUM	MG/KG	NS	39	100	0.589 U	0.634	0.664	0.663
METALS	COPPER	MG/KG	NS	600	600	31.4	14.4	12.7	12.1
METALS	LEAD	MG/KG	NS	400	600	32.1 J	5.26 J	8.39 J	4.35 J
METALS	MERCURY	MG/KG	NS	14	270	0.0959 J	0.0216 J	0.0313 J	0.0135 J
METALS	NICKEL	MG/KG	NS	250	2400	11.5	11.2	9.83	10.6
METALS	SELENIUM	MG/KG	NS	63	3100	2.84	2.26 U	2.39 U	2.16 U
METALS	SILVER	MG/KG	NS	110	4100	0.589 U	0.566 U	0.598 U	0.540 U
METALS	THALLIUM	MG/KG	NS	2	2	2.06 J	2.26 U	2.39 U	1.05 J
METALS	ZINC	MG/KG	NS	1500	1500	100 J	52.7 J	96.6 J	60.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	360 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	360 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	360 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	360 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	360 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	5200 J	6900 U	7200 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	860 U	900 U	830 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J9-01 SB-R-J9-01(1.0-1.5) 04/03/06	AREA I FINISHING SB-R-J9-01 SB-R-J9-01(2.0-2.5) 04/03/06	AREA I FINISHING SB-R-J9-02 SB-R-J9-02(0.75-1.25) 04/04/06	AREA I FINISHING SB-R-J9-02 SB-R-J9-02(2.0-2.5) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-K7-02 SB-R-K7-02(1.0-1.5) 04/11/06	AREA I FINISHING SB-R-K7-02 SB-R-K7-02(4.5-5.0) 04/11/06	AREA I FINISHING TP-R-J7-1-1 TP-R-J7-1-1(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-1 TP-R-J7-1-1(8.5-9.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	730 U	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	730 U	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	730 U	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	730 U	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	360 U	370 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.07 UJ	2.18 UJ	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	1.30 J	1.28 J	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	0.635	0.611	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	1.00 J	0.844 J	NA	NA
METALS	COPPER	MG/KG	NS	600	600	12.9 J	13.6 J	NA	NA
METALS	LEAD	MG/KG	NS	400	600	2.99	3.54	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	0.0145 J	0.0074 J	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	6.16	9.25	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	2.07 U	2.18 U	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	0.236 J	0.224 J	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.07 U	1.24 J	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	50.2 J	51.0 J	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	330 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	330 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	330 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	320 U	330 U	660 U	670 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	330 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	6500 U	6600 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 U	820 U	820 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	19 U	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	19 U	NA	NA

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-K7-02 SB-R-K7-02(1.0-1.5) 04/11/06	AREA I FINISHING SB-R-K7-02 SB-R-K7-02(4.5-5.0) 04/11/06	AREA I FINISHING TP-R-J7-1-1 TP-R-J7-1-1(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-1 TP-R-J7-1-1(8.5-9.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	19 U	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	19 U	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	19 U	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	19 U	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	19 U	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	19 U	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-2 TP-R-J7-1-2(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-2 TP-R-J7-1-2(10.5-11.0) 07/28/06	AREA I FINISHING TP-R-J7-1-3 TP-R-J7-1-3(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-3 TP-R-J7-1-3(9.5-10.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2100 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	360 U	360 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	320 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	320 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	320 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	690 U	640 U	650 U	680 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	320 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6400 U	6500 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	800 U	820 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-2 TP-R-J7-1-2(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-2 TP-R-J7-1-2(10.5-11.0) 07/28/06	AREA I FINISHING TP-R-J7-1-3 TP-R-J7-1-3(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-3 TP-R-J7-1-3(9.5-10.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-4 TP-R-J7-1-4(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-4 TP-R-J7-1-4(9.5-10.0) 07/28/06	AREA I FINISHING TP-R-J7-1-5 TP-R-J7-1-5(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-5 TP-R-J7-1-5(7.0-7.5) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	180 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	180 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	41 J	180 U	180 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	180 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	360 U	370 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	37 J	180 U	180 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	180 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	330 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	330 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	330 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 U	660 U	660 U	700 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	330 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	130000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	6600 U	6600 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	820 U	830 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-4 TP-R-J7-1-4(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-4 TP-R-J7-1-4(9.5-10.0) 07/28/06	AREA I FINISHING TP-R-J7-1-5 TP-R-J7-1-5(1.0-1.5) 07/28/06	AREA I FINISHING TP-R-J7-1-5 TP-R-J7-1-5(7.0-7.5) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-6 TP-R-J7-1-6(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-6 TP-R-J7-1-6(7.5-8.0) 07/28/06	AREA I FINISHING TP-R-J7-1-7 TP-R-J7-1-7(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-7 TP-R-J7-1-7(8.5-9.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	370 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.20 UJ	2.23 UJ	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	2.70	2.89	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	0.166 J	0.592	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	0.0979 J	0.345 J	NA	NA
METALS	COPPER	MG/KG	NS	600	600	9.94 J	16.1 J	NA	NA
METALS	LEAD	MG/KG	NS	400	600	23.0	4.75	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	0.277	0.110 U	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	5.34	10.7	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	2.20 U	2.23 U	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	0.550 U	0.558 U	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.20 U	2.23 U	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	11.5 J	45.2 J	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	330 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	330 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	330 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 U	670 U	660 U	700 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	330 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	6700 U	6600 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	840 U	830 U	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING TP-R-J7-1-6 TP-R-J7-1-6(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-6 TP-R-J7-1-6(7.5-8.0) 07/28/06	AREA I FINISHING TP-R-J7-1-7 TP-R-J7-1-7(0.5-1.0) 07/28/06	AREA I FINISHING TP-R-J7-1-7 TP-R-J7-1-7(8.5-9.0) 07/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-I5-03 SB-R-I5-03(0.5-1.0) 07/05/06	AREA I MISCELLANEOUS/OFFSITE SB-R-I5-04 SB-R-I5-04(0.5-1.0) 07/05/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J12-03 SB-R-J12-03(0.5-1.0) 06/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	800 U	780 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	780 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	780 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	780 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	170 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	230	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	380	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	160 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	400 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	280	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	47 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.39 UJ	1.08 J	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.08	5.28	2.49
METALS	BERYLLIUM	MG/KG	NS	2	2	0.834	1.01	0.139 J
METALS	CADMIUM	MG/KG	NS	39	100	0.520 J	1.25	0.543 U
METALS	COPPER	MG/KG	NS	600	600	10.9	40.1	3.93
METALS	LEAD	MG/KG	NS	400	600	13.6	94.8	4.95 J
METALS	MERCURY	MG/KG	NS	14	270	0.0203 J	0.0809 J	0.107 U
METALS	NICKEL	MG/KG	NS	250	2400	9.69	15.7	4.94
METALS	SELENIUM	MG/KG	NS	63	3100	2.39 U	2.35 U	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	0.599 U	0.460 J	0.543 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.39 U	2.35 U	2.17 U
METALS	ZINC	MG/KG	NS	1500	1500	77.9 J	217 J	15.2
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	360 UJ	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	360 UJ	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	360 UJ	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 UJ	360 UJ	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 UJ	360 UJ	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 UJ	7200 UJ	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 UJ	900 UJ	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-I5-03 SB-R-I5-03(0.5-1.0) 07/05/06	AREA I MISCELLANEOUS/OFFSITE SB-R-I5-04 SB-R-I5-04(0.5-1.0) 07/05/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J12-03 SB-R-J12-03(0.5-1.0) 06/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	22	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	22	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-J13-01 SB-R-J13-01(0-0.25) 06/26/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J5-02 SB-R-J5-02(1.0-1.5) 04/24/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J5-02 SB-R-J5-02(4.0-4.5) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	740 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	740 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	740 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	740 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	370 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	4400 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	370 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	130 J	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	140 J	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	240 J	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	100 J	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	370 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	740 U	410 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 J	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 J	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	370 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	370 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	110 J	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	370 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	370 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.45 J	2.39 UJ	2.21 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.69 J	3.31 J	3.47 J
METALS	BERYLLIUM	MG/KG	NS	2	2	1.09 U	0.401 J	0.54 J
METALS	CADMIUM	MG/KG	NS	39	100	0.263 J	0.597 U	0.553 U
METALS	COPPER	MG/KG	NS	600	600	24.2	9.2 J	14.7 J
METALS	LEAD	MG/KG	NS	400	600	143 J	12.4 J	5.02 J
METALS	MERCURY	MG/KG	NS	14	270	0.361	0.0234 J	0.106 UJ
METALS	NICKEL	MG/KG	NS	250	2400	9.65	6.34	8.27
METALS	SELENIUM	MG/KG	NS	63	3100	4.35 U	2.39 U	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	1.09 UJ	0.597 U	0.553 U
METALS	THALLIUM	MG/KG	NS	2	2	4.35 U	1.83 J	2.21 U
METALS	ZINC	MG/KG	NS	1500	1500	52.8	85.4	94
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	670 U	370 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	670 U	370 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	670 U	370 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 U	370 UJ	340 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	670 U	370 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	260000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	13000 U	7300 UJ	6800 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1700 U	910 UJ	850 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	38 U	21 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	38 U	21 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-J13-01 SB-R-J13-01(0-0.25) 06/26/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J5-02 SB-R-J5-02(1.0-1.5) 04/24/06	AREA I MISCELLANEOUS/OFFSITE SB-R-J5-02 SB-R-J5-02(4.0-4.5) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	38 U	21 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	38 U	21 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	38 U	21 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	38 U	21 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	130	21 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	130	21 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-K12-01 SB-R-K12-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-K12-02 SB-R-K12-02(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-L11-04 SB-R-L11-04(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	5000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	1300 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	1300 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	1300 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	1300 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	340 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	4100 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	340 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	170 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	290 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	130 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	340 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	680 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	240 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	1200	220
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	340 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	340 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	130 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	340 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	340 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.44 UJ	2.01 J	4.13 J
METALS	ARSENIC	MG/KG	NS	20	20	3.17	4.60	2.28 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.274 J	0.985 U	0.569 U
METALS	CADMIUM	MG/KG	NS	39	100	0.611 U	0.252 J	0.569 U
METALS	COPPER	MG/KG	NS	600	600	5.25	14.8	2.67
METALS	LEAD	MG/KG	NS	400	600	12.5 J	126 J	15.9 J
METALS	MERCURY	MG/KG	NS	14	270	0.0378 J	0.425	0.0233 J
METALS	NICKEL	MG/KG	NS	250	2400	8.91	16.2	1.32
METALS	SELENIUM	MG/KG	NS	63	3100	2.44 U	3.94 U	2.28 U
METALS	SILVER	MG/KG	NS	110	4100	0.611 UJ	0.985 UJ	0.569 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.44 U	3.94 U	2.28 U
METALS	ZINC	MG/KG	NS	1500	1500	23.7	31.8	6.50
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	610 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	610 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	610 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	610 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	610 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	160000 J	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 U	12000 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	1500 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	34 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	34 U	20 U

Table B2-3

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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-K12-01 SB-R-K12-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-K12-02 SB-R-K12-02(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-L11-04 SB-R-L11-04(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	34 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	34 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	34 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	34 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	110	5.8 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	110	5.8 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-L12-01 SB-R-L12-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-L4-01 SB-R-L4-01(0.5-1.0) 06/29/06	AREA I MISCELLANEOUS/OFFSITE SB-R-M11-01 SB-R-M11-01(1.0-1.5) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2800 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	690 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	690 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	690 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	690 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	180 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	370 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.23 J	2.11 UJ	1.26 J
METALS	ARSENIC	MG/KG	NS	20	20	4.45	5.08	4.27
METALS	BERYLLIUM	MG/KG	NS	2	2	0.291 J	0.261 J	0.279 J
METALS	CADMIUM	MG/KG	NS	39	100	0.0929 J	0.623	0.591 U
METALS	COPPER	MG/KG	NS	600	600	6.28	9.18	6.25
METALS	LEAD	MG/KG	NS	400	600	10.0 J	5.62	13.4 J
METALS	MERCURY	MG/KG	NS	14	270	0.0329 J	0.104 U	0.0308 J
METALS	NICKEL	MG/KG	NS	250	2400	10.3	3.89	7.77
METALS	SELENIUM	MG/KG	NS	63	3100	2.29 U	2.11 U	2.36 U
METALS	SILVER	MG/KG	NS	110	4100	0.574 UJ	0.528 U	0.591 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U	2.11 U	2.36 U
METALS	ZINC	MG/KG	NS	1500	1500	25.7	113 J	22.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	330 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	330 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	330 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	330 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6600 U	7300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	820 U	910 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	21 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-L12-01 SB-R-L12-01(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-L4-01 SB-R-L4-01(0.5-1.0) 06/29/06	AREA I MISCELLANEOUS/OFFSITE SB-R-M11-01 SB-R-M11-01(1.0-1.5) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	5.6 J	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	5.6 J	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-M4-01 SB-R-M4-01(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-M4-02 SB-R-M4-02(0.5-1.0) 06/29/06	AREA I MISCELLANEOUS/OFFSITE SB-R-N10-01 SB-R-N10-01(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2900 U	3800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 U	720 U	950 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 U	720 U	950 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 U	720 U	950 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 U	720 U	950 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	250 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	3000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	250 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	45 J	200 U	57 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	39 J	200 U	62 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	43 J	200 U	98 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	250 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	250 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	390 U	510 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	45 J	200 U	110 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	250 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	250 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	250 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	250 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	250 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	250 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.08 UJ	2.26 UJ	2.89 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.34	4.14	7.67
METALS	BERYLLIUM	MG/KG	NS	2	2	0.247 J	0.646	0.140 J
METALS	CADMIUM	MG/KG	NS	39	100	0.175 J	0.758	0.0996 J
METALS	COPPER	MG/KG	NS	600	600	6.72	11.5	7.11
METALS	LEAD	MG/KG	NS	400	600	10.8 J	9.70	79.4 J
METALS	MERCURY	MG/KG	NS	14	270	0.0388 J	0.0186 J	0.0924 J
METALS	NICKEL	MG/KG	NS	250	2400	2.17	12.8	5.11
METALS	SELENIUM	MG/KG	NS	63	3100	2.08 U	2.26 U	2.89 U
METALS	SILVER	MG/KG	NS	110	4100	0.521 UJ	0.564 U	0.722 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.08 U	2.26 U	2.89 U
METALS	ZINC	MG/KG	NS	1500	1500	72.7	91.7 J	24.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	350 U	450 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	350 U	450 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	350 U	450 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	350 U	450 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	350 U	450 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	180000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	7000 U	9100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 U	880 U	1100 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	20 U	26 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	20 U	26 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-M4-01 SB-R-M4-01(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-M4-02 SB-R-M4-02(0.5-1.0) 06/29/06	AREA I MISCELLANEOUS/OFFSITE SB-R-N10-01 SB-R-N10-01(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	20 U	26 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	20 U	26 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	20 U	26 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	20 U	26 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	20 U	16 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	20 U	16 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-N4-03 SB-R-N4-03(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-09-02 SB-R-09-02(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-09-03 SB-R-09-03(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3200 U	4000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	800 U	990 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	800 U	990 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	800 U	990 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	800 U	990 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	220 U	250 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2600 U	3000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	220 U	250 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	220 U	99 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	220 U	110 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	52 J	170 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	220 U	78 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	220 U	250 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	440 U	510 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	47 J	150 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	220 U	100 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	220 U	250 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	220 U	250 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	220 U	99 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	220 U	250 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	220 U	250 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.23 UJ	2.62 UJ	2.95 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.04	3.43	4.71
METALS	BERYLLIUM	MG/KG	NS	2	2	0.631	0.221 J	0.738 U
METALS	CADMIUM	MG/KG	NS	39	100	0.184 J	0.654 U	0.103 J
METALS	COPPER	MG/KG	NS	600	600	11.1	4.65	8.30
METALS	LEAD	MG/KG	NS	400	600	8.10 J	20.6 J	83.8 J
METALS	MERCURY	MG/KG	NS	14	270	0.0247 J	0.0886 J	0.129 J
METALS	NICKEL	MG/KG	NS	250	2400	8.20	4.88	4.15
METALS	SELENIUM	MG/KG	NS	63	3100	2.23 U	2.62 U	2.95 U
METALS	SILVER	MG/KG	NS	110	4100	0.557 UJ	0.654 UJ	0.738 UJ
METALS	THALLIUM	MG/KG	NS	2	2	1.58 J	2.62 U	2.95 U
METALS	ZINC	MG/KG	NS	1500	1500	82.3	21.3	35.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	400 U	460 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	400 U	460 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	400 U	460 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	400 U	460 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	400 U	460 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	160000 UJ	180000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	7900 U	9100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	990 U	1100 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	22 U	26 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	22 U	26 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-N4-03 SB-R-N4-03(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-09-02 SB-R-09-02(0.5-1.0) 06/27/06	AREA I MISCELLANEOUS/OFFSITE SB-R-09-03 SB-R-09-03(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	22 U	26 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	22 U	26 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	22 U	26 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	22 U	26 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	6.1 J	44
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	6.1 J	44

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-P7-04 SB-R-P7-04(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-P8-01 SB-R-P8-01(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-Q7-03 SB-R-Q7-03(0.5-1.0) 06/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	730 U	800 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	730 U	800 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	730 U	800 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	730 U	800 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	200 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	200 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	200 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	400 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	200 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.51 J	1.38 J	2.43 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.67	4.29	3.50
METALS	BERYLLIUM	MG/KG	NS	2	2	0.652	0.703	0.130 J
METALS	CADMIUM	MG/KG	NS	39	100	0.118 J	0.164 J	0.607 U
METALS	COPPER	MG/KG	NS	600	600	9.85	14.2	4.37
METALS	LEAD	MG/KG	NS	400	600	7.06 J	5.87 J	21.9 J
METALS	MERCURY	MG/KG	NS	14	270	0.0336 J	0.0405 J	0.0542 J
METALS	NICKEL	MG/KG	NS	250	2400	9.68	12.0	2.63
METALS	SELENIUM	MG/KG	NS	63	3100	2.44 U	2.39 U	2.43 U
METALS	SILVER	MG/KG	NS	110	4100	0.611 UJ	0.597 UJ	0.607 UJ
METALS	THALLIUM	MG/KG	NS	2	2	2.44 U	2.39 U	2.43 U
METALS	ZINC	MG/KG	NS	1500	1500	66.7	68.3	15.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	360 U	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	360 U	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	360 U	380 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	360 U	380 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	360 U	380 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	140000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 U	7200 U	7600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	900 U	960 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	21 U	22 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	21 U	22 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I MISCELLANEOUS/OFFSITE SB-R-P7-04 SB-R-P7-04(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-P8-01 SB-R-P8-01(0.5-1.0) 06/28/06	AREA I MISCELLANEOUS/OFFSITE SB-R-Q7-03 SB-R-Q7-03(0.5-1.0) 06/28/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	21 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	21 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	21 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	21 U	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	21 U	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	21 U	22 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-I11-02 SB-R-I11-02(0.83-1.33) 03/31/06	AREA I STORAGE SB-R-I11-02 SB-R-I11-02(2.0-2.5) 03/31/06	AREA I STORAGE SB-R-I11-02 TP-R-I11-02(6.0-6.5) 07/31/06	AREA I STORAGE SB-R-J10-02 SB-R-J10-02(1.5-2.0) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3700 U	3400 U	NA	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	920 U	840 U	NA	770 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	920 U	840 U	NA	770 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	920 U	840 U	NA	770 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	920 U	840 U	NA	770 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	210 U	NA	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2600 U	NA	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	210 U	NA	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	210 U	NA	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	210 U	NA	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	46 J	210 U	NA	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	210 U	NA	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	210 U	NA	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	430 U	NA	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	120 J	210 U	NA	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	210 U	NA	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	210 U	NA	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	210 U	NA	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	210 U	NA	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	210 U	NA	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	210 U	NA	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.64 UJ	12.8 UJ	1.20 J	2.26 UJ
METALS	ARSENIC	MG/KG	NS	20	20	77.6	60.6	3.04	6.45
METALS	BERYLLIUM	MG/KG	NS	2	2	0.565 J	0.396 J	0.506 J	0.675
METALS	CADMIUM	MG/KG	NS	39	100	0.659 U	3.19 U	0.592 U	0.564 U
METALS	COPPER	MG/KG	NS	600	600	19.0	11.1	13.0 J	11.3
METALS	LEAD	MG/KG	NS	400	600	19.9	7.84 J	4.66 J	11.8
METALS	MERCURY	MG/KG	NS	14	270	0.142	0.0252 J	0.114 U	0.0418 J
METALS	NICKEL	MG/KG	NS	250	2400	6.21	8.70	8.23	11.1
METALS	SELENIUM	MG/KG	NS	63	3100	5.76	12.8 U	2.37 U	2.05 J
METALS	SILVER	MG/KG	NS	110	4100	0.659 U	3.19 U	0.592 U	0.564 U
METALS	THALLIUM	MG/KG	NS	2	2	1.48 J	12.8 U	2.37 U	1.88 J
METALS	ZINC	MG/KG	NS	1500	1500	44.7	75.1	46.5 J	58.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 UJ	380 UJ	NA	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 UJ	380 UJ	NA	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 UJ	380 UJ	NA	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	400 UJ	380 UJ	NA	340 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	420 UJ	380 UJ	NA	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	150000 UJ	NA	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7900 UJ	7700 UJ	NA	6800 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	990 UJ	960 UJ	NA	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	22 U	NA	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	22 U	NA	19 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-I11-02 SB-R-I11-02(0.83-1.33) 03/31/06	AREA I STORAGE SB-R-I11-02 SB-R-I11-02(2.0-2.5) 03/31/06	AREA I STORAGE SB-R-I11-02 TP-R-I11-02(6.0-6.5) 07/31/06	AREA I STORAGE SB-R-J10-02 SB-R-J10-02(1.5-2.0) 03/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	22 U	NA	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	22 U	NA	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	22 U	NA	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	22 U	NA	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	22 U	NA	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	22 U	NA	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J10-02 SB-R-J10-02(2.17-2.67) 03/31/06	AREA I STORAGE SB-R-J10-03 SB-R-J10-03(2.25-2.75) 04/03/06	AREA I STORAGE SB-R-J10-03 TP-R-J10-03(6.5-7.0) 07/31/06	AREA I STORAGE SB-R-J10-04 SB-R-J10-04(1.0-1.5) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3000 U	2500 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	740 U	620 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	740 U	620 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	740 U	620 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	740 U	620 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	200 U	170 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2400 U	2000 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	200 U	170 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	200 U	170 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	200 U	170 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	200 U	170 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	200 U	170 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	200 U	170 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	400 U	340 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	200 U	170 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	200 U	170 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	200 U	170 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	200 U	170 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	200 U	170 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	200 U	170 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	200 U	170 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.40 UJ	2.36 UJ	1.48 J	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.03	5.26	3.17	2.95
METALS	BERYLLIUM	MG/KG	NS	2	2	0.752	0.948	0.655	0.742
METALS	CADMIUM	MG/KG	NS	39	100	0.600 U	0.826	0.500 U	2.78 U
METALS	COPPER	MG/KG	NS	600	600	9.46	23.5	12.0 J	9.06
METALS	LEAD	MG/KG	NS	400	600	10.4	8.71 J	4.31 J	12.5
METALS	MERCURY	MG/KG	NS	14	270	0.0202 J	0.0267 J	0.0980 U	0.0312 J
METALS	NICKEL	MG/KG	NS	250	2400	11.9	16.0	8.46	7.57
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 J	1.39 J	2.00 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.600 U	0.591 U	0.500 U	0.291 J
METALS	THALLIUM	MG/KG	NS	2	2	2.30 J	1.34 J	2.00 U	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	57.9	118 J	86.3 J	71.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	360 U	300 UJ	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	360 U	300 UJ	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 UJ	360 U	300 UJ	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 UJ	360 U	610 UJ	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 UJ	360 U	300 UJ	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 U	120000 UJ	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 UJ	7200 U	6100 UJ	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	930 UJ	890 U	760 UJ	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	17 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	17 U	19 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J10-02 SB-R-J10-02(2.17-2.67) 03/31/06	AREA I STORAGE SB-R-J10-03 SB-R-J10-03(2.25-2.75) 04/03/06	AREA I STORAGE SB-R-J10-03 TP-R-J10-03(6.5-7.0) 07/31/06	AREA I STORAGE SB-R-J10-04 SB-R-J10-04(1.0-1.5) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	17 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	17 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	17 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	17 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	20 U	17 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	20 U	17 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J10-04 SB-R-J10-04(4.5-5.0) 04/12/06	AREA I STORAGE SB-R-J11-04 SB-R-J11-04(1.0-1.5) 03/31/06	AREA I STORAGE SB-R-J11-04 SB-R-J11-04(4.92-5.42) 03/31/06	AREA I STORAGE SB-R-J9-03 SB-R-J9-03(0.5-1.0) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2100 U	2900 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 U	530 U	740 U	780 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 U	530 U	740 U	780 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 U	530 U	740 U	780 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 U	530 U	740 U	780 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	880	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	640	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	2100	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	780	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	390 U	390 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	1300	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	210	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	620	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	43 J	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.36 UJ	2.35 UJ	2.29 UJ	2.31 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.65	79.1	3.50	3.94
METALS	BERYLLIUM	MG/KG	NS	2	2	0.666	0.575 J	0.779	0.744
METALS	CADMIUM	MG/KG	NS	39	100	2.95 U	0.218 J	0.571 U	0.619
METALS	COPPER	MG/KG	NS	600	600	14.3	33.7	15.2	12.8
METALS	LEAD	MG/KG	NS	400	600	7.25	121	5.09	5.76 J
METALS	MERCURY	MG/KG	NS	14	270	0.0035 J	0.141	0.0115 J	0.0079 J
METALS	NICKEL	MG/KG	NS	250	2400	10.8	9.24	13.0	10.9
METALS	SELENIUM	MG/KG	NS	63	3100	2.36 U	1.53 J	1.69 J	2.31 U
METALS	SILVER	MG/KG	NS	110	4100	0.270 J	0.587 U	0.571 U	0.577 U
METALS	THALLIUM	MG/KG	NS	2	2	2.36 U	2.35 U	1.27 J	2.31 U
METALS	ZINC	MG/KG	NS	1500	1500	55.1	127	105	115 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 UJ	350 UJ	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	350 UJ	350 UJ	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 UJ	350 UJ	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	350 UJ	350 UJ	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	350 UJ	350 UJ	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 UJ	140000 UJ	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	7000 UJ	7000 UJ	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	880 UJ	870 UJ	890 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J10-04 SB-R-J10-04(4.5-5.0) 04/12/06	AREA I STORAGE SB-R-J11-04 SB-R-J11-04(1.0-1.5) 03/31/06	AREA I STORAGE SB-R-J11-04 SB-R-J11-04(4.92-5.42) 03/31/06	AREA I STORAGE SB-R-J9-03 SB-R-J9-03(0.5-1.0) 04/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	16 J	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	30	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	46 J	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J9-03 SB-R-J9-03(5.0-5.5) 04/04/06	AREA I STORAGE SB-R-J9-04 SB-R-J9-04(0.5-1.0) 04/04/06	AREA I STORAGE SB-R-J9-04 TP-R-J9-04(4.5-5.0) 07/31/06	AREA I STORAGE SB-R-K10-03 SB-R-K10-03(0.75-1.25) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 UJ	2600 U	3300 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	750 U	660 U	830 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	750 U	660 U	830 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	750 U	660 U	830 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	750 U	660 U	830 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	170 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2100 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	170 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	200 U	170 U	220 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	200 U	170 U	220 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	200 U	170 U	220 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	170 U	220 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	170 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	400 U	350 U	430 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	200 U	170 U	220 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	170 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	170 U	220 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	170 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	170 U	220 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	170 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	170 U	220 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.11 UJ	2.32 UJ	1.68 J	2.54 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.58	4.83	3.95	7.08
METALS	BERYLLIUM	MG/KG	NS	2	2	0.854	0.661	0.574	0.865
METALS	CADMIUM	MG/KG	NS	39	100	0.721	0.249 J	0.523 U	0.214 J
METALS	COPPER	MG/KG	NS	600	600	18.7	12.9	14.6 J	13.3
METALS	LEAD	MG/KG	NS	400	600	4.47 J	8.69	4.79 J	17.9
METALS	MERCURY	MG/KG	NS	14	270	0.107 U	0.0390 J	0.102 U	0.0576 J
METALS	NICKEL	MG/KG	NS	250	2400	9.93	12.3	10.1	14.6
METALS	SELENIUM	MG/KG	NS	63	3100	2.11 U	1.19 J	2.09 U	1.74 J
METALS	SILVER	MG/KG	NS	110	4100	0.527 U	0.581 U	0.523 U	0.634 U
METALS	THALLIUM	MG/KG	NS	2	2	1.06 J	1.17 J	2.09 U	2.54 U
METALS	ZINC	MG/KG	NS	1500	1500	55.3 J	56.6 J	77.6 J	71.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	360 U	310 UJ	390 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	360 U	310 UJ	390 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	360 U	310 UJ	390 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	360 U	630 UJ	390 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	360 U	310 UJ	390 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	120000 UJ	160000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	7200 U	6300 UJ	7800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	900 U	780 UJ	970 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	18 U	22 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	18 U	22 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-J9-03 SB-R-J9-03(5.0-5.5) 04/04/06	AREA I STORAGE SB-R-J9-04 SB-R-J9-04(0.5-1.0) 04/04/06	AREA I STORAGE SB-R-J9-04 TP-R-J9-04(4.5-5.0) 07/31/06	AREA I STORAGE SB-R-K10-03 SB-R-K10-03(0.75-1.25) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	18 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	18 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	18 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	18 U	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	18 U	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	18 U	22 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K10-03 TP-R-K10-03(4.75-5.25) 07/28/06	AREA I STORAGE SB-R-K7-04 SB-R-K7-04(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-K7-04 TP-R-K7-04(5.5-6.0) 07/25/06	AREA I STORAGE SB-R-K8-01 SB-R-K8-01(1.75-2.25) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	2800 U	2900 U	2900 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	640 U	700 U	720 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	640 U	700 U	720 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	640 U	700 U	720 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	640 U	700 U	720 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	190 UJ	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2200 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	190 UJ	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	190 UJ	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	190 UJ	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	190 UJ	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	190 UJ	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	190 UJ	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	360 U	380 UJ	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	190 UJ	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	190 UJ	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	190 UJ	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	190 UJ	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	190 UJ	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	190 UJ	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	140 J	190 UJ	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.04 J	2.10 UJ	4.4 J	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.03	3.14	4.17	3.73
METALS	BERYLLIUM	MG/KG	NS	2	2	0.801	0.588	0.644	0.597
METALS	CADMIUM	MG/KG	NS	39	100	0.438 J	2.68 U	1.04	0.261 J
METALS	COPPER	MG/KG	NS	600	600	19.0 J	15.9	24	14.1
METALS	LEAD	MG/KG	NS	400	600	6.25	7.37	5.09	3.86
METALS	MERCURY	MG/KG	NS	14	270	0.0185 J	0.0322 J	0.111 U	0.0069 J
METALS	NICKEL	MG/KG	NS	250	2400	10.3	9.38	6.99	11.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.04 U	2.10 U	2.26 U	1.29 J
METALS	SILVER	MG/KG	NS	110	4100	0.510 U	0.292 J	0.566 U	0.542 U
METALS	THALLIUM	MG/KG	NS	2	2	2.04 U	1.05 J	2.26 U	1.30 J
METALS	ZINC	MG/KG	NS	1500	1500	51.4 J	81.4	160 J	58.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	330 U	340 UJ	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	330 U	340 UJ	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	330 U	340 UJ	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 U	330 U	680 UJ	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	330 U	340 UJ	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 UJ	140000 UJ	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	6600 U	6800 UJ	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	820 U	850 UJ	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K10-03 TP-R-K10-03(4.75-5.25) 07/28/06	AREA I STORAGE SB-R-K7-04 SB-R-K7-04(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-K7-04 TP-R-K7-04(5.5-6.0) 07/25/06	AREA I STORAGE SB-R-K8-01 SB-R-K8-01(1.75-2.25) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	19 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	19 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K8-01 SB-R-K8-01(4.0-4.5) 04/05/06	AREA I STORAGE SB-R-K8-03 SB-R-K8-03(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-K8-03 TP-R-K8-03(6.0-6.5) 07/26/06	AREA I STORAGE SB-R-K8-04 SB-R-K8-04(0.5-1.0) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	3000 U	3100 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	670 U	750 U	780 U	770 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	750 U	780 U	770 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 U	750 U	780 U	770 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 U	750 U	780 U	770 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	180 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2200 U	2400 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	180 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	180 U	65 J	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	180 U	50 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	180 U	110 J	41 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	180 U	41 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	180 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	370 U	400 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	180 U	88 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	180 U	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	180 U	200 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	180 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	180 U	200 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	180 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	180 U	200 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.06 UJ	2.15 UJ	2.34 UJ	2.37 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.62	5.49	12.0	5.27
METALS	BERYLLIUM	MG/KG	NS	2	2	0.792	0.0548 J	0.960	1.02
METALS	CADMIUM	MG/KG	NS	39	100	0.210 J	2.69 UJ	0.251 J	2.96 U
METALS	COPPER	MG/KG	NS	600	600	16.7	18.7	25.0	12.2
METALS	LEAD	MG/KG	NS	400	600	4.45	8.17	10.6	11.0
METALS	MERCURY	MG/KG	NS	14	270	0.0039 J	0.0246 J	0.0379 J	0.0280 J
METALS	NICKEL	MG/KG	NS	250	2400	9.75	7.79	15.2 J	16.7
METALS	SELENIUM	MG/KG	NS	63	3100	2.06 U	2.15 U	2.34 U	1.15 J
METALS	SILVER	MG/KG	NS	110	4100	0.514 U	0.538 U	0.586 U	0.276 J
METALS	THALLIUM	MG/KG	NS	2	2	0.992 J	3.42	2.34 U	2.37 U
METALS	ZINC	MG/KG	NS	1500	1500	110 J	26.7 J	72.1 J	66.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	330 U	360 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	330 U	360 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	330 U	360 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	310 U	330 U	720 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 U	330 U	360 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 UJ	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6300 U	6600 U	7200 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	790 U	830 U	900 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	19 U	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	19 U	21 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K8-01 SB-R-K8-01(4.0-4.5) 04/05/06	AREA I STORAGE SB-R-K8-03 SB-R-K8-03(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-K8-03 TP-R-K8-03(6.0-6.5) 07/26/06	AREA I STORAGE SB-R-K8-04 SB-R-K8-04(0.5-1.0) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	19 U	21 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	19 U	21 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	19 U	21 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	19 U	21 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	19 U	21 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	19 U	21 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K8-04 TP-R-K8-04(6.0-6.5) 07/28/06	AREA I STORAGE SB-R-K9-01 SB-R-K9-01(0.5-1.0) 03/30/06	AREA I STORAGE SB-R-K9-01 SB-R-K9-01(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-K9-02 SB-R-K9-02(0.5-1.0) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	3100 U	2900 U	3500 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	640 U	770 U	730 U	870 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	640 U	770 U	730 U	870 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	640 U	770 U	730 U	870 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	640 U	770 U	730 U	870 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2400 U	2300 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	79 J	190 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	86 J	190 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	140 J	190 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	58 J	190 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	400 U	380 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	92 J	190 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	190 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	63 J	190 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	190 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.01 J	2.42 U	2.30 U	2.42 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.94 J	9.01	4.07 J	5.80
METALS	BERYLLIUM	MG/KG	NS	2	2	0.656	0.525 J	0.521 J	0.684
METALS	CADMIUM	MG/KG	NS	39	100	0.217 J	0.605 U	0.214 J	0.206 J
METALS	COPPER	MG/KG	NS	600	600	17.5 J	24.4	13.6	19.4
METALS	LEAD	MG/KG	NS	400	600	3.00	19.5	8.59	9.95
METALS	MERCURY	MG/KG	NS	14	270	0.104 U	0.0296 J	0.0322 J	0.0272 J
METALS	NICKEL	MG/KG	NS	250	2400	11.6	16.7	13.8	14.0
METALS	SELENIUM	MG/KG	NS	63	3100	2.04 U	2.28 J	2.30 U	1.82 J
METALS	SILVER	MG/KG	NS	110	4100	0.510 U	0.605 U	0.576 U	0.605 U
METALS	THALLIUM	MG/KG	NS	2	2	2.04 U	1.95 J	2.30 U	2.42 U
METALS	ZINC	MG/KG	NS	1500	1500	45.7 J	61.2	59.6	54.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	360 UJ	350 UJ	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	360 UJ	350 UJ	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	360 UJ	350 UJ	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 U	360 UJ	350 UJ	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	360 UJ	350 UJ	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	150000 U	140000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	7300 UJ	6900 UJ	7400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	910 UJ	860 UJ	930 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	21 U	20 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	21 U	20 U	21 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K8-04 TP-R-K8-04(6.0-6.5) 07/28/06	AREA I STORAGE SB-R-K9-01 SB-R-K9-01(0.5-1.0) 03/30/06	AREA I STORAGE SB-R-K9-01 SB-R-K9-01(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-K9-02 SB-R-K9-02(0.5-1.0) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	21 U	20 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	21 U	20 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	21 U	20 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	21 U	20 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	8.3 J	20 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	8.3 J	20 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K9-02 SB-R-K9-02(4.5-5.0) 04/05/06	AREA I STORAGE SB-R-K9-03 SB-R-K9-03(0.5-1.0) 04/05/06	AREA I STORAGE SB-R-K9-03 TP-R-K9-03(4.5-5.0) 07/28/06	AREA I STORAGE SB-R-K9-04 SB-R-K9-04(0.5-1.0) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 UJ	3200 UJ	2400 U	3100 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	790 U	800 U	610 U	790 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 U	800 U	610 U	790 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 U	800 U	610 U	790 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 U	800 U	610 U	790 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	210 U	170 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2500 U	2100 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	210 U	170 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	75 J	170 U	54 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	68 J	170 U	41 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	220	170 U	92 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	83 J	170 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	210 U	170 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	420 U	350 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	220	170 U	140 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	210 U	170 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	210 U	170 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	210 U	170 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	49 J	170 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	210 U	170 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	210 U	170 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.28 UJ	2.48 UJ	0.975 J	2.41 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.00	278	3.26	39.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.692	0.741	0.610	0.752
METALS	CADMIUM	MG/KG	NS	39	100	0.190 J	0.181 J	0.0678 J	0.602 U
METALS	COPPER	MG/KG	NS	600	600	15.8	17.7	13.6 J	15.6
METALS	LEAD	MG/KG	NS	400	600	7.31	18.5	3.97	36.3
METALS	MERCURY	MG/KG	NS	14	270	0.0215 J	0.0550 J	0.102 U	0.0752 J
METALS	NICKEL	MG/KG	NS	250	2400	14.2	16.8	8.94	12.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.28 U	1.70 J	2.09 U	5.77
METALS	SILVER	MG/KG	NS	110	4100	0.571 U	0.621 U	0.521 U	0.602 U
METALS	THALLIUM	MG/KG	NS	2	2	1.34 J	2.48 U	2.09 U	2.28 J
METALS	ZINC	MG/KG	NS	1500	1500	53.0 J	65.3 J	56.1 J	53.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	380 U	310 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	380 U	310 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	380 U	310 U	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	380 U	630 U	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	380 U	310 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	150000 U	130000 U	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	7600 U	6300 U	7400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	950 U	780 U	920 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	22 U	18 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	22 U	18 U	21 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K9-02 SB-R-K9-02(4.5-5.0) 04/05/06	AREA I STORAGE SB-R-K9-03 SB-R-K9-03(0.5-1.0) 04/05/06	AREA I STORAGE SB-R-K9-03 TP-R-K9-03(4.5-5.0) 07/28/06	AREA I STORAGE SB-R-K9-04 SB-R-K9-04(0.5-1.0) 04/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	22 U	18 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	22 U	18 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	22 U	18 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	22 U	18 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	22 U	18 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	22 U	18 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K9-04 TP-R-K9-04(5.0-5.5) 07/28/06	AREA I STORAGE SB-R-L7-01 SB-R-L7-01(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-L7-01 SB-R-L7-01(2.0-2.5) 04/13/06	AREA I STORAGE SB-R-L7-03 SB-R-L7-03(0.5-1.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	2800 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	730 U	710 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	730 U	710 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	730 U	710 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	730 U	710 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2300 U	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	180 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	180 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	180 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	180 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	390 U	370 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	180 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	180 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.43 J	2.32 UJ	2.17 UJ	2.31 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.38	2.67	3.87	2.61
METALS	BERYLLIUM	MG/KG	NS	2	2	0.722	0.662	0.979	0.775
METALS	CADMIUM	MG/KG	NS	39	100	0.447 J	2.90 U	2.69 U	2.91 U
METALS	COPPER	MG/KG	NS	600	600	22.2 J	12.4	20.5	12.7
METALS	LEAD	MG/KG	NS	400	600	13.9	7.22	5.21	15.8
METALS	MERCURY	MG/KG	NS	14	270	0.0992 U	0.0147 J	0.0174 J	0.0602 J
METALS	NICKEL	MG/KG	NS	250	2400	10.4	12.8	12.0	10.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	2.32 U	2.17 U	2.31 U
METALS	SILVER	MG/KG	NS	110	4100	0.533 U	0.294 J	0.336 J	0.354 J
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.32 U	1.37 J	1.86 J
METALS	ZINC	MG/KG	NS	1500	1500	55.3 J	102	95.7	111
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	350 U	330 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	350 U	330 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	350 U	330 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 U	350 U	330 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	350 U	330 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 UJ	130000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	7000 U	6700 U	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	880 U	830 U	890 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	20 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	20 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K9-04 TP-R-K9-04(5.0-5.5) 07/28/06	AREA I STORAGE SB-R-L7-01 SB-R-L7-01(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-L7-01 SB-R-L7-01(2.0-2.5) 04/13/06	AREA I STORAGE SB-R-L7-03 SB-R-L7-03(0.5-1.0) 04/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	20 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	20 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	20 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	20 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	20 U	19 U	10 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	20 U	19 U	10 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L7-03 SB-R-L7-03(4.0-4.5) 04/13/06	AREA I STORAGE SB-R-L7-04 SB-R-L7-04(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-L7-04 SB-R-L7-04(1.5-2.0) 04/13/06	AREA I STORAGE SB-R-L8-01 SB-R-L8-01(0.5-1.0) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3100 U	2900 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	97 J	730 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	780 U	730 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	780 U	730 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	780 U	730 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	210 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2500 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	130 J	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	210	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	260	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	130 J	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	210 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	410 U	380 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	250	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	210 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	210 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	210 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	120 J	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	210 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	210 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.15 UJ	2.40 UJ	2.26 UJ	2.36 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.15 J	7.75	4.84	70.1
METALS	BERYLLIUM	MG/KG	NS	2	2	0.753	0.756	0.793	0.0566 J
METALS	CADMIUM	MG/KG	NS	39	100	2.72 U	3.03 U	2.80 U	2.95 U
METALS	COPPER	MG/KG	NS	600	600	13.7	20.6	12.8	13.2
METALS	LEAD	MG/KG	NS	400	600	3.55	66.1	7.51	15.1
METALS	MERCURY	MG/KG	NS	14	270	0.0157 J	0.162	0.0307 J	0.0255 J
METALS	NICKEL	MG/KG	NS	250	2400	5.93	9.37	14.4	6.89
METALS	SELENIUM	MG/KG	NS	63	3100	2.15 U	2.40 U	2.26 U	6.48 J
METALS	SILVER	MG/KG	NS	110	4100	0.275 J	0.484 J	0.289 J	0.590 U
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	2.40 U	2.26 U	11.8 U
METALS	ZINC	MG/KG	NS	1500	1500	55.7	115	58.1	59.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	370 U	340 U	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	370 U	340 U	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	370 U	340 U	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	370 U	340 U	350 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	370 U	340 U	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	150000 UJ	140000 UJ	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	5100 J	6900 U	7100 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	930 U	860 U	880 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	21 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	21 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L7-03 SB-R-L7-03(4.0-4.5) 04/13/06	AREA I STORAGE SB-R-L7-04 SB-R-L7-04(0.5-1.0) 04/13/06	AREA I STORAGE SB-R-L7-04 SB-R-L7-04(1.5-2.0) 04/13/06	AREA I STORAGE SB-R-L8-01 SB-R-L8-01(0.5-1.0) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	21 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	21 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	21 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	15 J	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	26	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	41 J	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-01 SB-R-L8-01(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-L8-02 SB-R-L8-02(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-L8-02 SB-R-L8-02(4.5-5.0) 04/06/06	AREA I STORAGE SB-R-L8-02 TP-R-L8-02(9.5-10.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2800 U	2500 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	700 U	630 U	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	700 U	630 U	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	700 U	630 U	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	700 U	630 U	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	180 U	180 U	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2200 U	2100 U	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	180 U	180 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	180 U	180 U	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	180 U	180 U	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	180 U	180 U	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	180 U	180 U	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	180 U	180 U	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	360 U	360 U	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	180 U	180 U	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	180 U	180 U	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	180 U	180 U	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	180 U	180 U	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	180 U	180 U	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	180 U	180 U	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	180 U	180 U	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.04 UJ	2.17 UJ	2.12 UJ	2.07 UJ
METALS	ARSENIC	MG/KG	NS	20	20	12.4	7.01	1.82 J	2.63
METALS	BERYLLIUM	MG/KG	NS	2	2	0.237 J	0.266 J	0.0772 J	0.526
METALS	CADMIUM	MG/KG	NS	39	100	2.55 U	2.71 UJ	2.64 UJ	0.260 J
METALS	COPPER	MG/KG	NS	600	600	12.1	16.2	13.9	12.3
METALS	LEAD	MG/KG	NS	400	600	3.78	12.5	5.78	2.40
METALS	MERCURY	MG/KG	NS	14	270	0.0046 J	0.0174 J	0.104 U	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	5.75	8.44	6.98	7.71 J
METALS	SELENIUM	MG/KG	NS	63	3100	10.2 U	2.17 U	2.12 U	2.07 U
METALS	SILVER	MG/KG	NS	110	4100	0.511 U	0.543 U	0.529 U	0.518 U
METALS	THALLIUM	MG/KG	NS	2	2	10.2 U	2.93	3.21	2.07 U
METALS	ZINC	MG/KG	NS	1500	1500	60.3	84.8 J	61.4 UJ	54.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 UJ	330 U	320 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 UJ	330 U	320 U	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 UJ	330 U	320 U	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	310 UJ	330 U	320 U	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 UJ	330 U	320 U	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	120000 U	130000 UJ	130000 UJ	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6300 UJ	6500 U	6400 U	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	780 UJ	810 U	800 U	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	18 U	18 U	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	18 U	18 U	NA

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-01 SB-R-L8-01(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-L8-02 SB-R-L8-02(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-L8-02 SB-R-L8-02(4.5-5.0) 04/06/06	AREA I STORAGE SB-R-L8-02 TP-R-L8-02(9.5-10.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	18 U	18 U	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	18 U	18 U	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	18 U	18 U	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	18 U	18 U	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	18 U	18 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	18 U	18 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-03 SB-R-L8-03(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-L8-03 SB-R-L8-03(4.0-4.5) 04/06/06	AREA I STORAGE SB-R-L8-03 TP-R-L8-03(9.5-10.0) 07/26/06	AREA I STORAGE SB-R-L8-04 SB-R-L8-04(0.5-1.0) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	NA	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	700 U	NA	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	700 U	NA	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	700 U	NA	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	700 U	NA	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	NA	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	NA	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	NA	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	NA	1800
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	NA	2000
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	NA	3300
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	NA	1200
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	NA	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	380 U	NA	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	NA	2000
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	NA	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	NA	460
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	NA	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	NA	1700
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	NA	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	NA	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.35 UJ	2.28 UJ	2.06 UJ	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.02	4.73	2.52	6.34
METALS	BERYLLIUM	MG/KG	NS	2	2	0.397 J	0.181 J	0.515 J	0.629
METALS	CADMIUM	MG/KG	NS	39	100	2.94 UJ	2.84 UJ	0.231 J	2.67 U
METALS	COPPER	MG/KG	NS	600	600	8.69	12.6	9.04	13.5
METALS	LEAD	MG/KG	NS	400	600	10.6	10.9	2.57	9.41
METALS	MERCURY	MG/KG	NS	14	270	0.0176 J	0.0129 J	0.101 U	0.0062 J
METALS	NICKEL	MG/KG	NS	250	2400	8.85	11.2	6.41 J	8.11
METALS	SELENIUM	MG/KG	NS	63	3100	2.35 U	2.28 U	2.06 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.589 U	0.569 U	0.516 U	0.277 J
METALS	THALLIUM	MG/KG	NS	2	2	2.35 U	4.05	2.06 U	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	76.6 UJ	102 J	50.6 J	82.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	NA	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	NA	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	NA	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	340 U	NA	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	NA	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	NA	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	6800 U	NA	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	850 U	NA	830 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	NA	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	NA	19 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-03 SB-R-L8-03(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-L8-03 SB-R-L8-03(4.0-4.5) 04/06/06	AREA I STORAGE SB-R-L8-03 TP-R-L8-03(9.5-10.0) 07/26/06	AREA I STORAGE SB-R-L8-04 SB-R-L8-04(0.5-1.0) 04/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	NA	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	NA	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	NA	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	NA	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	NA	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	NA	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-04 SB-R-L8-04(6.5-7.0) 04/12/06	AREA I STORAGE SB-R-L9-02 SB-R-L9-02(0.5-1.0) 03/30/06	AREA I STORAGE SB-R-L9-02 SB-R-L9-02(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-L9-02 TP-R-L9-02(6.0-6.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	3000 U	2900 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	660 U	750 U	730 U	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	660 U	750 U	730 U	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	660 U	750 U	730 U	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	660 U	750 U	730 U	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	190 U	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2300 U	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	190 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	200 U	190 U	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	40 J	190 U	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	74 J	190 U	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	190 U	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	190 U	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	390 U	380 U	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	78 J	190 U	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	190 U	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	190 U	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	190 U	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	190 U	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	190 U	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	190 U	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 UJ	2.34 UJ	2.25 UJ	1.23 J
METALS	ARSENIC	MG/KG	NS	20	20	2.81	8.35	6.40	2.66
METALS	BERYLLIUM	MG/KG	NS	2	2	0.839	0.650	0.690	0.661
METALS	CADMIUM	MG/KG	NS	39	100	2.66 U	0.585 U	0.563 U	0.231 J
METALS	COPPER	MG/KG	NS	600	600	15.6	14.0	15.0	16.1
METALS	LEAD	MG/KG	NS	400	600	4.32	17.9	8.36	3.25
METALS	MERCURY	MG/KG	NS	14	270	0.103 U	0.0452 J	0.0244 J	0.0997 U
METALS	NICKEL	MG/KG	NS	250	2400	13.1	13.8	16.1	9.52 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	2.54	2.44	2.03 U
METALS	SILVER	MG/KG	NS	110	4100	0.240 J	0.864	0.563 U	0.507 U
METALS	THALLIUM	MG/KG	NS	2	2	1.03 J	1.17 J	2.08 J	2.03 U
METALS	ZINC	MG/KG	NS	1500	1500	74.1	53.4	58.9	46.1 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	350 UJ	340 UJ	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	350 UJ	340 UJ	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	350 UJ	340 UJ	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	350 UJ	340 UJ	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	350 UJ	340 UJ	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 U	140000 U	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	7100 UJ	6800 UJ	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	890 UJ	850 UJ	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	19 U	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	19 U	NA

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-04 SB-R-L8-04(6.5-7.0) 04/12/06	AREA I STORAGE SB-R-L9-02 SB-R-L9-02(0.5-1.0) 03/30/06	AREA I STORAGE SB-R-L9-02 SB-R-L9-02(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-L9-02 TP-R-L9-02(6.0-6.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	19 U	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	19 U	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	19 U	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	19 U	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	19 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	19 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M7-01 SB-R-M7-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-M7-01 TP-R-M7-01(7.0-7.5) 07/27/06	AREA I STORAGE SB-R-M7-02 SB-R-M7-02(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-M7-02 SB-R-M7-02(4.5-5.0) 04/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	3800 U	3200 U	3300 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	820 U	950 U	790 U	830 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	820 U	950 U	790 U	830 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	820 U	950 U	790 U	830 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	820 U	950 U	790 U	830 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	220 U	210 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2600 U	2500 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	220 U	210 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	220 U	63 J	220 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	220 U	62 J	220 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	220 U	94 J	220 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	220 U	210 U	220 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	220 U	210 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	430 U	420 U	440 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	220 U	120 J	220 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	220 U	210 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	220 U	210 U	220 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	220 U	210 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	220 U	210 U	220 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	220 U	210 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	220 U	210 U	220 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.31 UJ	2.55 UJ	2.47 UJ	2.60 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.31	1.72 J	13.0	2.60 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.329 J	0.607 J	0.935	0.121 J
METALS	CADMIUM	MG/KG	NS	39	100	0.577 U	0.637 U	0.617 U	0.651 U
METALS	COPPER	MG/KG	NS	600	600	15.6 J	10.5	28.2 J	3.00 J
METALS	LEAD	MG/KG	NS	400	600	24.6	14.4	159	2.26 J
METALS	MERCURY	MG/KG	NS	14	270	0.624	0.0255 J	0.171	0.123 U
METALS	NICKEL	MG/KG	NS	250	2400	10.2	11.3 J	13.0	0.894 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.55 U	2.47 U	2.60 U
METALS	SILVER	MG/KG	NS	110	4100	0.577 U	0.637 U	0.617 U	0.651 U
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.55 U	1.90 J	2.60 U
METALS	ZINC	MG/KG	NS	1500	1500	56.4 J	59.2 J	57.1 J	7.62 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	390 U	380 U	390 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	390 U	380 U	390 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	390 U	380 U	390 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	780 U	380 U	390 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	390 U	380 U	390 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	160000 U	150000 U	160000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	7800 U	7500 U	7900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	970 U	940 U	990 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	22 U	21 U	22 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	22 U	21 U	22 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M7-01 SB-R-M7-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-M7-01 TP-R-M7-01(7.0-7.5) 07/27/06	AREA I STORAGE SB-R-M7-02 SB-R-M7-02(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-M7-02 SB-R-M7-02(4.5-5.0) 04/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	22 U	21 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	22 U	21 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	22 U	21 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	22 U	21 U	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	23	22 U	21 U	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	23	22 U	21 U	22 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
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Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M7-03 SB-R-M7-03(0.75-1.25) 04/27/06	AREA I STORAGE SB-R-M7-03 SB-R-M7-03(6.0-6.5) 04/27/06	AREA I STORAGE SB-R-M8-01 SB-R-M8-01(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-M8-01 SB-R-M8-01(4.5-5.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	3200 U	2800 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	880 U	810 U	710 U	790 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	880 U	810 U	710 U	790 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	880 U	810 U	710 U	790 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	880 U	810 U	710 U	790 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	200 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2700 U	2400 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1600	200 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	200 U	220	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 UJ	200 U	240	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 UJ	200 U	350	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 UJ	200 U	140 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	200 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	450 U	390 U	380 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	200 U	270	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 J	200 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 UJ	200 U	43 J	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	200 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 UJ	200 U	170 J	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	200 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	650	200 U	210	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.59 UJ	2.35 UJ	2.19 UJ	2.34 U
METALS	ARSENIC	MG/KG	NS	20	20	4.04	1.82 J	18.0	3.56
METALS	BERYLLIUM	MG/KG	NS	2	2	0.171 J	0.566 J	0.287 J	0.487 J
METALS	CADMIUM	MG/KG	NS	39	100	0.648 U	0.588 U	2.74 UJ	2.92 U
METALS	COPPER	MG/KG	NS	600	600	13.5	12.0	22.4	14.4
METALS	LEAD	MG/KG	NS	400	600	21.7	7.91	50.4	13.1
METALS	MERCURY	MG/KG	NS	14	270	0.100 J	0.0177 J	0.0453 J	0.0371 J
METALS	NICKEL	MG/KG	NS	250	2400	10.1	11.9	10.9	13.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.59 UJ	2.35 UJ	2.19 U	2.34 U
METALS	SILVER	MG/KG	NS	110	4100	0.648 U	0.588 U	0.548 U	0.584 U
METALS	THALLIUM	MG/KG	NS	2	2	2.59 U	2.35 U	2.80	3.40
METALS	ZINC	MG/KG	NS	1500	1500	35.1	67.6	73.8 UJ	60.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 U	350 U	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 U	350 U	340 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 U	350 U	340 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	400 U	350 U	340 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	400 U	350 U	240 J	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	140000 U	54000 J	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8000 U	7100 U	6800 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 U	880 U	850 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 U	20 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	20 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M7-03 SB-R-M7-03(0.75-1.25) 04/27/06	AREA I STORAGE SB-R-M7-03 SB-R-M7-03(6.0-6.5) 04/27/06	AREA I STORAGE SB-R-M8-01 SB-R-M8-01(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-M8-01 SB-R-M8-01(4.5-5.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	20 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	23 U	20 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	20 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	23 U	20 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	23 U	20 U	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	23 U	20 U	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M8-01 TP-R-M8-01(9.0-9.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.21 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.65
METALS	BERYLLIUM	MG/KG	NS	2	2	0.833
METALS	CADMIUM	MG/KG	NS	39	100	0.228 J
METALS	COPPER	MG/KG	NS	600	600	17.5
METALS	LEAD	MG/KG	NS	400	600	6.11
METALS	MERCURY	MG/KG	NS	14	270	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	12.4 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.552 U
METALS	THALLIUM	MG/KG	NS	2	2	2.21 U
METALS	ZINC	MG/KG	NS	1500	1500	51.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M8-01 TP-R-M8-01(9.0-9.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N4-01 SB-R-N4-01(1.5-2.0) 05/02/06	AREA I STORAGE SB-R-N4-01 SB-R-N4-01(6.0-6.5) 05/02/06	AREA I STORAGE SB-R-N4-02 SB-R-N4-02(4.0-4.5) 05/02/06	AREA I STORAGE SB-R-N4-02 TP-R-N4-02(0.5-1.0) 08/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3200 U	3000 U	13000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	790 U	800 U	750 U	3200 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 U	800 U	750 U	3200 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 U	800 U	750 U	3200 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 U	800 U	750 U	3200 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	200 U	780 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2400 U	9300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	200 U	780 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	200 U	200 U	780 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	200 U	200 U	780 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	200 U	200 U	780 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	200 U	780 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	200 U	780 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	390 U	390 U	1600 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	200 U	200 U	780 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	200 U	780 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	200 U	780 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	200 U	780 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	200 U	780 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	200 U	780 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	200 U	780 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.00 UJ	2.02 UJ	1.99 UJ	9.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.49	0.707 J	1.05 J	9.35 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.913	0.370 J	0.545	2.34 U
METALS	CADMIUM	MG/KG	NS	39	100	0.501 U	0.504 U	0.498 U	0.481 J
METALS	COPPER	MG/KG	NS	600	600	10.8	2.32	18.6	17.6
METALS	LEAD	MG/KG	NS	400	600	16.5	4.74	8.19	14.4 J
METALS	MERCURY	MG/KG	NS	14	270	0.0562 J	0.0099 J	0.0078 J	0.184 J
METALS	NICKEL	MG/KG	NS	250	2400	9.89	4.70	14.6	4.59 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.00 U	2.02 U	1.99 U	9.35 U
METALS	SILVER	MG/KG	NS	110	4100	0.501 U	0.504 U	0.498 U	2.34 U
METALS	THALLIUM	MG/KG	NS	2	2	1.32 J	2.02 U	1.15 J	9.35 U
METALS	ZINC	MG/KG	NS	1500	1500	95.2 J	26.5 J	125 J	63.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	360 U	350 U	1400 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	360 U	350 U	1400 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	360 U	350 U	1400 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	360 U	350 U	2800 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	360 U	350 U	470 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 U	140000 U	560000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 U	7200 U	7100 U	28000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	900 U	890 U	3500 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	20 U	79 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	20 U	79 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N4-01 SB-R-N4-01(1.5-2.0) 05/02/06	AREA I STORAGE SB-R-N4-01 SB-R-N4-01(6.0-6.5) 05/02/06	AREA I STORAGE SB-R-N4-02 SB-R-N4-02(4.0-4.5) 05/02/06	AREA I STORAGE SB-R-N4-02 TP-R-N4-02(0.5-1.0) 08/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	20 U	79 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	20 U	79 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	20 U	79 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	20 U	79 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	20 U	20 U	79 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	20 U	20 U	79 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N5-02 SB-R-N5-02(0.5-1.0) 05/02/06	AREA I STORAGE SB-R-N5-02 SB-R-N5-02(6.0-6.5) 05/02/06	AREA I STORAGE SB-R-N6-01 SB-R-N6-01(0.5-1.0) 04/27/06	AREA I STORAGE SB-R-N6-01 SB-R-N6-01(4.0-4.5) 04/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	4500 U	2700 U	2800 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	1100 U	680 U	700 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	1100 U	680 U	700 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1100 U	680 U	700 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	1100 U	680 U	700 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	280 U	180 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	3400 U	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	280 U	180 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	280 U	180 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	61 J	180 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	280 U	180 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	280 U	180 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	280 U	180 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	560 U	360 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	280 U	180 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	280 U	180 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	280 U	180 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	280 U	180 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	280 U	180 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	280 U	180 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	280 U	180 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.97 UJ	1.26 J	2.25 UJ	11.0 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.74 J	1.67 J	2.53	11.0 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.522	0.720	0.708	0.866 J
METALS	CADMIUM	MG/KG	NS	39	100	0.164 J	0.540 U	0.562 U	1.33 J
METALS	COPPER	MG/KG	NS	600	600	16.0	17.2	7.70	18.2
METALS	LEAD	MG/KG	NS	400	600	8.68	3.43	5.87	5.29 J
METALS	MERCURY	MG/KG	NS	14	270	0.0493 J	0.0042 J	0.0166 J	0.0153 J
METALS	NICKEL	MG/KG	NS	250	2400	10.8	7.22	9.86	12.6
METALS	SELENIUM	MG/KG	NS	63	3100	1.97 U	2.16 U	2.25 UJ	11.0 UJ
METALS	SILVER	MG/KG	NS	110	4100	0.492 U	0.540 U	0.562 U	2.74 U
METALS	THALLIUM	MG/KG	NS	2	2	1.97 U	1.61 J	1.47 J	11.0 U
METALS	ZINC	MG/KG	NS	1500	1500	60.5	69.1	69.1	81.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	430 U	330 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	430 U	330 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	430 U	330 U	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	430 U	330 U	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	430 U	330 U	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	170000 UJ	130000 UJ	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8500 U	6600 U	6900 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1100 U	820 U	870 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	24 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	24 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N5-02 SB-R-N5-02(0.5-1.0) 05/02/06	AREA I STORAGE SB-R-N5-02 SB-R-N5-02(6.0-6.5) 05/02/06	AREA I STORAGE SB-R-N6-01 SB-R-N6-01(0.5-1.0) 04/27/06	AREA I STORAGE SB-R-N6-01 SB-R-N6-01(4.0-4.5) 04/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	24 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	24 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	24 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	24 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	24 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	24 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N6-02 TP-R-N6-02(1.0-1.5) 08/03/06	AREA I STORAGE SB-R-N6-02 TP-R-N6-02(6.0-6.5) 08/03/06	AREA I STORAGE SB-R-N7-01 SB-R-N7-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-N7-01 SB-R-N7-01(4.0-4.5) 04/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2600 U	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	670 U	650 U	780 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	650 U	780 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 U	650 U	780 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 U	650 U	780 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	47 J	180 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	67 J	180 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	78 J	180 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	41 J	180 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	360 U	410 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	60 J	180 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	55 J	180 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.66 J	1.48 J	1.45 J	1.36 J
METALS	ARSENIC	MG/KG	NS	20	20	6.26	5.42	5.96	3.90
METALS	BERYLLIUM	MG/KG	NS	2	2	0.799	0.930	0.768	0.800
METALS	CADMIUM	MG/KG	NS	39	100	0.543 U	0.546 U	0.590 U	0.568 U
METALS	COPPER	MG/KG	NS	600	600	18.0	16.5	19.3 J	24.1 J
METALS	LEAD	MG/KG	NS	400	600	30.4 J	9.76 J	7.51	5.25
METALS	MERCURY	MG/KG	NS	14	270	0.0964 J	0.0209 J	0.0189 J	0.0119 J
METALS	NICKEL	MG/KG	NS	250	2400	11.9	19.9	13.5	11.0
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 U	2.19 U	2.36 U	2.27 U
METALS	SILVER	MG/KG	NS	110	4100	0.543 U	0.546 U	0.590 U	0.568 U
METALS	THALLIUM	MG/KG	NS	2	2	2.17 U	2.19 U	2.21 J	1.40 J
METALS	ZINC	MG/KG	NS	1500	1500	124 J	117, 117 J	82.7 J	88.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	370 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	370 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	370 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 U	660 U	370 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	370 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	6600 U	7400 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	820 U	920 U	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	21 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N6-02 TP-R-N6-02(1.0-1.5) 08/03/06	AREA I STORAGE SB-R-N6-02 TP-R-N6-02(6.0-6.5) 08/03/06	AREA I STORAGE SB-R-N7-01 SB-R-N7-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-N7-01 SB-R-N7-01(4.0-4.5) 04/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	21 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	21 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	21 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	21 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	6.9 J	19 UJ	21 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	6.9 J	19 U	21 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N7-02 SB-R-N7-02(1.0-1.5) 04/27/06	AREA I STORAGE SB-R-N7-02 SB-R-N7-02(6.5-7.0) 04/27/06	AREA I STORAGE SB-R-N7-03 SB-R-N7-03(1.0-1.5) 04/27/06	AREA I STORAGE SB-R-N7-03 TP-R-N7-03(7.0-7.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	3200 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	740 U	810 U	770 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	740 U	810 U	770 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	740 U	810 U	770 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	740 U	810 U	770 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2300 U	2400 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	190 U	53 J	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	190 U	64 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	190 U	120 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	190 U	52 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	390 U	400 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	190 U	110 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	190 U	200 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	190 U	48 J	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	270	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.50 UJ	2.33 UJ	11.9 UJ	2.37 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.81	1.25 J	35.8	1.60 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.256 J	0.461 J	0.702 J	0.388 J
METALS	CADMIUM	MG/KG	NS	39	100	0.312 J	0.583 U	2.27 J	0.593 U
METALS	COPPER	MG/KG	NS	600	600	17.8	13.1	439	12.7
METALS	LEAD	MG/KG	NS	400	600	18.9	7.46	202	4.85
METALS	MERCURY	MG/KG	NS	14	270	0.0633 J	0.0075 J	0.373	0.0227 J
METALS	NICKEL	MG/KG	NS	250	2400	13.3	9.66	33.2	10.0 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.50 UJ	2.33 UJ	11.9 UJ	2.37 U
METALS	SILVER	MG/KG	NS	110	4100	0.624 U	0.583 U	2.98 U	0.593 U
METALS	THALLIUM	MG/KG	NS	2	2	2.50 U	2.33 U	11.9 U	2.37 U
METALS	ZINC	MG/KG	NS	1500	1500	88.7	56.2	118	42.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	350 U	360 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U	350 U	360 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	350 U	360 U	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	380 U	350 U	360 U	730 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 U	350 U	360 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 U	140000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7600 U	7000 U	7200 U	7300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	950 U	880 U	900 U	920 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-N7-02 SB-R-N7-02(1.0-1.5) 04/27/06	AREA I STORAGE SB-R-N7-02 SB-R-N7-02(6.5-7.0) 04/27/06	AREA I STORAGE SB-R-N7-03 SB-R-N7-03(1.0-1.5) 04/27/06	AREA I STORAGE SB-R-N7-03 TP-R-N7-03(7.0-7.5) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	8.7 J	20 U	20 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	8.7 J	20 U	20 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-05-01 SB-R-05-01(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-05-01 SB-R-05-01(5.5-6.0) 04/26/06	AREA I STORAGE SB-R-05-02 SB-R-05-02(1.0-1.5) 04/26/06	AREA I STORAGE SB-R-05-02 SB-R-05-02(5.5-6.0) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	3000 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 U	710 U	750 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 U	710 U	750 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 U	710 U	750 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 U	710 U	750 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	180 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	400 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.96 UJ	9.90 UJ	1.98 UJ	1.94 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.26	5.70 J	5.81	6.25
METALS	BERYLLIUM	MG/KG	NS	2	2	0.427 J	0.990 J	0.723	0.802
METALS	CADMIUM	MG/KG	NS	39	100	0.439 J	2.48 U	0.174 J	0.332 J
METALS	COPPER	MG/KG	NS	600	600	10.0	36.9	14.8	22.3
METALS	LEAD	MG/KG	NS	400	600	25.1	5.73 J	22.2	7.55
METALS	MERCURY	MG/KG	NS	14	270	0.0410 J	0.0129 J	0.0365 J	0.0284 J
METALS	NICKEL	MG/KG	NS	250	2400	12.2	13.4	14.1	15.8
METALS	SELENIUM	MG/KG	NS	63	3100	1.96 U	9.90 U	1.98 U	1.94 U
METALS	SILVER	MG/KG	NS	110	4100	0.490 U	2.48 U	0.494 U	0.485 U
METALS	THALLIUM	MG/KG	NS	2	2	1.96 U	9.90 U	1.61 J	1.27 J
METALS	ZINC	MG/KG	NS	1500	1500	210	158	113	177
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	330 U	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	330 U	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6600 U	7100 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	830 U	880 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-O5-01 SB-R-O5-01(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-O5-01 SB-R-O5-01(5.5-6.0) 04/26/06	AREA I STORAGE SB-R-O5-02 SB-R-O5-02(1.0-1.5) 04/26/06	AREA I STORAGE SB-R-O5-02 SB-R-O5-02(5.5-6.0) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-05-03 SB-R-05-03(0.5-1.0) 04/27/06	AREA I STORAGE SB-R-05-03 SB-R-05-03(2.0-2.5) 04/27/06	AREA I STORAGE SB-R-05-04 SB-R-05-04(0.5-1.0) 05/02/06	AREA I STORAGE SB-R-05-04 SB-R-05-04(4.0-4.5) 05/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	3700 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	700 U	930 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	700 U	930 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	700 U	930 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	700 U	930 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	230 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2700 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	230 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	230 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	230 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	230 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	230 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	230 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	460 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	230 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	230 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	230 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	230 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	230 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	230 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	230 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.904 J	0.972 J	0.936 J	0.928 J
METALS	ARSENIC	MG/KG	NS	20	20	4.05	3.50	1.52 J	3.31
METALS	BERYLLIUM	MG/KG	NS	2	2	1.11	0.784	0.441 J	0.728
METALS	CADMIUM	MG/KG	NS	39	100	0.540 U	0.555 U	0.168 J	0.146 J
METALS	COPPER	MG/KG	NS	600	600	22.2	16.3	12.0	19.8
METALS	LEAD	MG/KG	NS	400	600	3.48	3.32	4.76	7.47
METALS	MERCURY	MG/KG	NS	14	270	0.0201 J	0.0199 J	0.0288 J	0.0078 J
METALS	NICKEL	MG/KG	NS	250	2400	10.4	8.12	5.35	15.7
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 UJ	2.22 UJ	2.01 U	1.92 U
METALS	SILVER	MG/KG	NS	110	4100	0.540 U	0.555 U	0.503 U	0.481 U
METALS	THALLIUM	MG/KG	NS	2	2	1.80 J	1.69 J	2.01 U	0.996 J
METALS	ZINC	MG/KG	NS	1500	1500	84.5	71.3	38.4	96.2
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	410 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	410 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	410 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	340 U	410 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	340 U	410 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	170000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	6800 U	8300 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	850 U	1000 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	23 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	23 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-O5-03 SB-R-O5-03(0.5-1.0) 04/27/06	AREA I STORAGE SB-R-O5-03 SB-R-O5-03(2.0-2.5) 04/27/06	AREA I STORAGE SB-R-O5-04 SB-R-O5-04(0.5-1.0) 05/02/06	AREA I STORAGE SB-R-O5-04 SB-R-O5-04(4.0-4.5) 05/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	23 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	23 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	23 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	23 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	23 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	23 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-06-01 SB-R-06-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-06-01 SB-R-06-01(2.0-2.5) 04/18/06	AREA I STORAGE SB-R-06-02 SB-R-06-02(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-06-02 SB-R-06-02(4.0-4.5) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3200 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	780 U	810 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	780 U	810 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	780 U	810 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	780 U	810 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2400 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	200 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	200 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	200 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	200 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	400 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	200 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	200 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	200 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.00 J	2.30 UJ	10.1 UJ	9.62 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.16	6.99	6.76 J	6.91 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.771	1.09	1.03 J	1.55 J
METALS	CADMIUM	MG/KG	NS	39	100	0.562 U	0.576 U	2.52 U	2.40 U
METALS	COPPER	MG/KG	NS	600	600	18.9 J	31.2 J	14.2	29.1
METALS	LEAD	MG/KG	NS	400	600	12.3	7.80	12.7	8.41 J
METALS	MERCURY	MG/KG	NS	14	270	0.0249 J	0.0216 J	0.0662 J	0.0243 J
METALS	NICKEL	MG/KG	NS	250	2400	9.11	14.0	18.4	16.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.25 U	2.30 U	10.1 U	9.62 U
METALS	SILVER	MG/KG	NS	110	4100	0.562 U	0.576 U	2.52 U	2.40 U
METALS	THALLIUM	MG/KG	NS	2	2	1.39 J	1.58 J	10.1 U	9.62 U
METALS	ZINC	MG/KG	NS	1500	1500	58.7 J	90.0 J	141	101
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	360 U	360 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	360 U	360 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	360 U	360 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	360 U	360 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	360 U	360 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	7100 U	7200 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	890 U	900 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-O6-01 SB-R-O6-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-O6-01 SB-R-O6-01(2.0-2.5) 04/18/06	AREA I STORAGE SB-R-O6-02 SB-R-O6-02(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-O6-02 SB-R-O6-02(4.0-4.5) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-01 SB-R-07-01(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-07-01 SB-R-07-01(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-07-02 SB-R-07-02(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-07-02 SB-R-07-02(2.5-3.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	3100 U	2800 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	730 U	770 U	690 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	730 U	770 U	690 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	730 U	770 U	690 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	730 U	770 U	690 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	670	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.34 UJ	2.23 UJ	2.32 UJ	2.25 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.13	5.59	3.53	4.11
METALS	BERYLLIUM	MG/KG	NS	2	2	0.744	0.927	0.635	0.912
METALS	CADMIUM	MG/KG	NS	39	100	2.93 UJ	2.78 UJ	2.90 UJ	2.82 UJ
METALS	COPPER	MG/KG	NS	600	600	10.7	19.9	10.8	15.8
METALS	LEAD	MG/KG	NS	400	600	10.4 J	5.66 J	5.29 J	3.63 J
METALS	MERCURY	MG/KG	NS	14	270	0.0214 J	0.0082 J	0.0151 J	0.0041 J
METALS	NICKEL	MG/KG	NS	250	2400	10.1	12.8	10.2	9.80
METALS	SELENIUM	MG/KG	NS	63	3100	2.34 U	2.23 U	2.32 U	2.25 U
METALS	SILVER	MG/KG	NS	110	4100	0.586 U	0.557 U	0.580 U	0.563 U
METALS	THALLIUM	MG/KG	NS	2	2	2.45	3.08	2.30 J	1.85 J
METALS	ZINC	MG/KG	NS	1500	1500	62.4 J	55.7 J	61.6 J	66.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	360 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	360 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	360 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	340 U	360 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	360 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6700 U	7100 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	840 U	890 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-01 SB-R-07-01(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-07-01 SB-R-07-01(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-07-02 SB-R-07-02(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-07-02 SB-R-07-02(2.5-3.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-03 SB-R-07-03(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-07-03 SB-R-07-03(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-07-03 TP-R-07-03(8.0-8.5) 08/04/06	AREA I STORAGE SB-R-07-04 SB-R-07-04(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3000 U	NA	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	760 U	NA	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	760 U	NA	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	760 U	NA	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	760 U	NA	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	NA	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	NA	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	NA	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	NA	40 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	NA	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	NA	86 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	NA	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	NA	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	NA	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	NA	71 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	NA	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	NA	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	NA	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	NA	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	NA	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	NA	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.15 UJ	2.21 UJ	1.64 J	2.24 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.82	5.38	4.82 J	22.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.699	0.953	0.911	0.578
METALS	CADMIUM	MG/KG	NS	39	100	2.68 UJ	6.70 J	0.545 U	2.80 UJ
METALS	COPPER	MG/KG	NS	600	600	14.7	13.4	18.6 J	19.9
METALS	LEAD	MG/KG	NS	400	600	5.60 J	6.14 J	5.06	23.2 J
METALS	MERCURY	MG/KG	NS	14	270	0.0337 J	0.0111 J	0.0149 J	0.188
METALS	NICKEL	MG/KG	NS	250	2400	11.4	9.95	11.7	11.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.15 U	2.21 U	2.18 U	2.24 U
METALS	SILVER	MG/KG	NS	110	4100	0.537 U	0.554 U	0.545 U	0.559 U
METALS	THALLIUM	MG/KG	NS	2	2	2.50	2.47	2.18 U	2.53
METALS	ZINC	MG/KG	NS	1500	1500	68.8 J	65.3 J	112 J	47.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	NA	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	340 U	NA	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 U	NA	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	340 U	NA	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	340 U	NA	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	NA	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	6800 U	NA	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	860 U	NA	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-03 SB-R-07-03(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-07-03 SB-R-07-03(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-07-03 TP-R-07-03(8.0-8.5) 08/04/06	AREA I STORAGE SB-R-07-04 SB-R-07-04(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	NA	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-04 SB-R-07-04(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-07-04 TP-R-07-04(8.0-8.5) 08/07/06	AREA I STORAGE SB-R-08-01 SB-R-08-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-08-01 SB-R-08-01(4.0-4.5) 04/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	NA	3200 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	830 U	NA	790 U	770 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	830 U	NA	790 U	770 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	830 U	NA	790 U	770 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	830 U	NA	790 U	770 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	NA	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	NA	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	NA	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	NA	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	NA	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	NA	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	NA	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	NA	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	NA	400 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	NA	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	NA	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	NA	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	NA	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	NA	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	NA	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	NA	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.26 J	1.08 J	2.34 UJ	0.929 J
METALS	ARSENIC	MG/KG	NS	20	20	5.10	10.4	3.63	4.11
METALS	BERYLLIUM	MG/KG	NS	2	2	0.914	1.13	0.518 J	0.702
METALS	CADMIUM	MG/KG	NS	39	100	0.630 U	2.87 U	0.586 U	0.565 U
METALS	COPPER	MG/KG	NS	600	600	15.7 J	19.5	11.3 J	12.9 J
METALS	LEAD	MG/KG	NS	400	600	8.73	14.0	16.1	4.97
METALS	MERCURY	MG/KG	NS	14	270	0.0309 J	0.0140 J	0.0127 J	0.112 U
METALS	NICKEL	MG/KG	NS	250	2400	13.2	10.0	11.2	10.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.52 U	2.29 U	2.34 U	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.630 U	0.573 U	0.586 U	0.565 U
METALS	THALLIUM	MG/KG	NS	2	2	2.06 J	2.29 U	2.34 U	1.40 J
METALS	ZINC	MG/KG	NS	1500	1500	90.8	70.0 J	56.5 J	47.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	NA	360 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	NA	360 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	NA	360 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	NA	360 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	NA	360 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	NA	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7700 U	NA	7200 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	960 U	NA	900 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	NA	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	NA	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-04 SB-R-07-04(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-07-04 TP-R-07-04(8.0-8.5) 08/07/06	AREA I STORAGE SB-R-08-01 SB-R-08-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-08-01 SB-R-08-01(4.0-4.5) 04/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	NA	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	NA	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	NA	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	NA	18 J	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	NA	7.1 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	NA	25.1 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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SB = Soil boring
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Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P5-01 SB-R-P5-01(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-P5-01 SB-R-P5-01(4.0-4.5) 04/25/06	AREA I STORAGE SB-R-P5-02 SB-R-P5-02(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-02 SB-R-P5-02(4.0-4.5) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3000 U	2800 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	750 U	710 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	750 U	710 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	750 U	710 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	750 U	710 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	390 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.92 J	2.29 UJ	1.99 UJ	9.62 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.28	4.15	5.46	5.60 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.726	0.791	0.575	1.25 J
METALS	CADMIUM	MG/KG	NS	39	100	0.489 J	0.520 J	0.326 J	2.40 U
METALS	COPPER	MG/KG	NS	600	600	13.7 J	21.5 J	15.0	26.6
METALS	LEAD	MG/KG	NS	400	600	7.07	5.29	7.47	5.73 J
METALS	MERCURY	MG/KG	NS	14	270	0.0219 J	0.110 U	0.0347 J	0.0216 J
METALS	NICKEL	MG/KG	NS	250	2400	11.1	11.2	14.0	18.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.25 U	2.29 U	1.99 U	9.62 U
METALS	SILVER	MG/KG	NS	110	4100	0.562 U	0.571 U	0.498 U	2.40 U
METALS	THALLIUM	MG/KG	NS	2	2	1.99 J	1.50 J	1.06 J	9.62 U
METALS	ZINC	MG/KG	NS	1500	1500	61.4 J	75.8 J	110	99.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	340 UJ	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	340 UJ	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	340 UJ	340 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 UJ	340 UJ	340 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	340 UJ	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 UJ	6900 UJ	6900 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 UJ	860 UJ	860 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P5-01 SB-R-P5-01(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-P5-01 SB-R-P5-01(4.0-4.5) 04/25/06	AREA I STORAGE SB-R-P5-02 SB-R-P5-02(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-02 SB-R-P5-02(4.0-4.5) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P5-03 SB-R-P5-03(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-03 SB-R-P5-03(2.0-2.5) 04/26/06	AREA I STORAGE SB-R-P5-04 SB-R-P5-04(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-04 SB-R-P5-04(2.0-2.5) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2600 U	2800 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	660 U	700 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	660 U	700 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	660 U	700 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	660 U	700 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	380 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.00 UJ	9.90 UJ	1.98 UJ	9.67 UJ
METALS	ARSENIC	MG/KG	NS	20	20	6.93	7.69 J	5.16	6.50 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.806	1.24 J	0.610	1.52 J
METALS	CADMIUM	MG/KG	NS	39	100	0.500 U	2.48 U	0.492 J	2.42 U
METALS	COPPER	MG/KG	NS	600	600	23.4	21.1	15.8	29.8
METALS	LEAD	MG/KG	NS	400	600	9.44	9.76 J	8.35	7.25 J
METALS	MERCURY	MG/KG	NS	14	270	0.0288 J	0.0164 J	0.0342 J	0.0134 J
METALS	NICKEL	MG/KG	NS	250	2400	17.0	20.0	15.6	18.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.00 U	9.90 U	1.98 U	9.67 U
METALS	SILVER	MG/KG	NS	110	4100	0.500 U	2.48 U	0.495 U	2.42 U
METALS	THALLIUM	MG/KG	NS	2	2	2.00 U	9.90 U	1.98 U	9.67 U
METALS	ZINC	MG/KG	NS	1500	1500	82.0	84.5	96.0	115
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	340 U	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6800 U	7000 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	860 U	880 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P5-03 SB-R-P5-03(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-03 SB-R-P5-03(2.0-2.5) 04/26/06	AREA I STORAGE SB-R-P5-04 SB-R-P5-04(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-P5-04 SB-R-P5-04(2.0-2.5) 04/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
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SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P6-01 SB-R-P6-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P6-01 SB-R-P6-01(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P6-01 TP-R-P6-01(8.0-8.5) 08/04/06	AREA I STORAGE SB-R-P6-02 SB-R-P6-02(1.0-1.5) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 UJ	2600 UJ	NA	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 UJ	660 UJ	NA	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 UJ	660 UJ	NA	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 UJ	660 UJ	NA	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 UJ	660 UJ	NA	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	170 U	NA	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2100 U	NA	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	170 U	NA	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	170 U	NA	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	170 U	NA	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	80 J	170 U	NA	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	170 U	NA	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	170 U	NA	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	350 U	NA	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	69 J	170 U	NA	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	170 U	NA	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	170 U	NA	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	170 U	NA	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	170 U	NA	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	170 U	NA	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	170 U	NA	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.30 UJ	2.07 UJ	0.954 J	1.24 J
METALS	ARSENIC	MG/KG	NS	20	20	4.40	1.94 J	1.58 J	3.30
METALS	BERYLLIUM	MG/KG	NS	2	2	0.717	0.358 J	0.310 J	0.768
METALS	CADMIUM	MG/KG	NS	39	100	2.87 UJ	2.59 UJ	0.516 U	0.539 U
METALS	COPPER	MG/KG	NS	600	600	12.0	9.54	9.59 J	12.0 J
METALS	LEAD	MG/KG	NS	400	600	11.8 J	1.97 J	2.36	4.62
METALS	MERCURY	MG/KG	NS	14	270	0.0245 J	0.102 U	0.101 U	0.0106 J
METALS	NICKEL	MG/KG	NS	250	2400	10.5	6.46	5.80	8.70
METALS	SELENIUM	MG/KG	NS	63	3100	2.30 U	2.07 U	2.06 U	2.16 U
METALS	SILVER	MG/KG	NS	110	4100	0.574 U	0.517 U	0.516 U	0.539 U
METALS	THALLIUM	MG/KG	NS	2	2	2.44	2.12	2.06 U	1.69 J
METALS	ZINC	MG/KG	NS	1500	1500	70.6 J	28.9 J	22.7 J	48.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	310 U	NA	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	310 U	NA	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	310 U	NA	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	310 U	NA	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	310 U	NA	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	NA	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	6300 U	NA	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	780 U	NA	830 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U	NA	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U	NA	19 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P6-01 SB-R-P6-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P6-01 SB-R-P6-01(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P6-01 TP-R-P6-01(8.0-8.5) 08/04/06	AREA I STORAGE SB-R-P6-02 SB-R-P6-02(1.0-1.5) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U	NA	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U	NA	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U	NA	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U	NA	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	18 U	NA	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18 U	NA	19 U

Notes:
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VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P6-02 SB-R-P6-02(2.0-2.5) 04/18/06	AREA I STORAGE SB-R-P6-03 SB-R-P6-03(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-P6-03 SB-R-P6-03(2.0-2.5) 04/25/06	AREA I STORAGE SB-R-P6-04 SB-R-P6-04(0.67-1.17) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3400 U	2900 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	840 U	720 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	840 U	720 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	840 U	720 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	840 U	720 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	210 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2600 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	210 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	210 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	210 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	210 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	210 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	210 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	430 U	370 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	210 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	210 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	210 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	210 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	210 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	210 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	210 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.55 UJ	2.49 UJ	1.13 J	1.08 J
METALS	ARSENIC	MG/KG	NS	20	20	4.28	2.92	4.12	4.44
METALS	BERYLLIUM	MG/KG	NS	2	2	0.945	0.941	0.683	0.731
METALS	CADMIUM	MG/KG	NS	39	100	0.638 U	0.622 UJ	2.78 UJ	0.569 U
METALS	COPPER	MG/KG	NS	600	600	15.3 J	8.18 J	17.9 J	9.93
METALS	LEAD	MG/KG	NS	400	600	6.28	6.48	4.09	13.0
METALS	MERCURY	MG/KG	NS	14	270	0.0217 J	0.0361 J	0.0074 J	0.0347 J
METALS	NICKEL	MG/KG	NS	250	2400	11.7	9.03	10.7	12.7
METALS	SELENIUM	MG/KG	NS	63	3100	2.55 U	2.49 U	2.22 U	2.27 U
METALS	SILVER	MG/KG	NS	110	4100	0.638 U	0.622 U	0.556 U	0.569 U
METALS	THALLIUM	MG/KG	NS	2	2	1.74 J	2.26 J	1.38 J	2.27 U
METALS	ZINC	MG/KG	NS	1500	1500	146 J	108 J	73.5 J	78.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	380 UJ	340 UJ	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	380 UJ	340 UJ	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	380 UJ	340 UJ	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	380 UJ	340 UJ	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	380 UJ	340 UJ	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	150000 U	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7700 U	7700 UJ	6700 UJ	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	970 U	960 UJ	840 UJ	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	22 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	22 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P6-02 SB-R-P6-02(2.0-2.5) 04/18/06	AREA I STORAGE SB-R-P6-03 SB-R-P6-03(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-P6-03 SB-R-P6-03(2.0-2.5) 04/25/06	AREA I STORAGE SB-R-P6-04 SB-R-P6-04(0.67-1.17) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	22 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	22 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	22 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	22 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	22 U	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	22 U	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P6-04 SB-R-P6-04(2.5-3.0) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.848 J
METALS	ARSENIC	MG/KG	NS	20	20	2.97
METALS	BERYLLIUM	MG/KG	NS	2	2	0.629
METALS	CADMIUM	MG/KG	NS	39	100	0.513 U
METALS	COPPER	MG/KG	NS	600	600	18.1
METALS	LEAD	MG/KG	NS	400	600	3.60
METALS	MERCURY	MG/KG	NS	14	270	0.0194 J
METALS	NICKEL	MG/KG	NS	250	2400	8.85
METALS	SELENIUM	MG/KG	NS	63	3100	2.05 U
METALS	SILVER	MG/KG	NS	110	4100	0.513 U
METALS	THALLIUM	MG/KG	NS	2	2	0.998 J
METALS	ZINC	MG/KG	NS	1500	1500	54.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P6-04 SB-R-P6-04(2.5-3.0) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-01 SB-R-P7-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P7-01 SB-R-P7-01(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-P7-01 TP-R-P7-01(6.5-7.0) 08/04/06	AREA I STORAGE SB-R-P7-02 SB-R-P7-02(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	NA	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	750 U	NA	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	750 U	NA	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	750 U	NA	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	750 U	NA	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	96 J	510	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	100 J	580	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	130 J	900	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	69 J	320	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	370 U	370 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	92 J	500	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	80 J	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	58 J	350	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	22.4 UJ	2.21 UJ	2.22 UJ	2.34 UJ
METALS	ARSENIC	MG/KG	NS	20	20	22.4 U	3.36	1.26 J	4.26
METALS	BERYLLIUM	MG/KG	NS	2	2	0.774 J	0.830	0.148 J	0.803
METALS	CADMIUM	MG/KG	NS	39	100	5.61 UJ	2.76 UJ	0.556 U	2.93 UJ
METALS	COPPER	MG/KG	NS	600	600	17.6	16.6	46.5 J	11.7
METALS	LEAD	MG/KG	NS	400	600	38.4 J	22.9 J	1.19 J	17.7 J
METALS	MERCURY	MG/KG	NS	14	270	0.0239 J	0.0141 J	0.108 U	0.0681 J
METALS	NICKEL	MG/KG	NS	250	2400	11.9	8.97	26.3	10.5
METALS	SELENIUM	MG/KG	NS	63	3100	22.4 U	2.21 U	2.22 U	2.34 U
METALS	SILVER	MG/KG	NS	110	4100	5.61 U	0.551 U	0.556 U	0.585 U
METALS	THALLIUM	MG/KG	NS	2	2	22.4 U	2.85	2.22 U	2.67
METALS	ZINC	MG/KG	NS	1500	1500	259 J	271 J	16.0 J	68.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	NA	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	NA	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	NA	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	340 U	NA	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	340 U	NA	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	NA	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6700 U	NA	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	840 U	NA	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-01 SB-R-P7-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P7-01 SB-R-P7-01(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-P7-01 TP-R-P7-01(6.5-7.0) 08/04/06	AREA I STORAGE SB-R-P7-02 SB-R-P7-02(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	NA	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	NA	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-02 SB-R-P7-02(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P7-02 TP-R-P7-02(8.0-8.5) 08/07/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(4.0-4.5) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	NA	2600 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 U	NA	640 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 U	NA	640 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 U	NA	640 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 U	NA	640 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	NA	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	NA	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	NA	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	NA	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	NA	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	NA	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	NA	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	NA	390 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	NA	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	NA	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	NA	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	NA	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	NA	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	NA	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	NA	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.19 UJ	1.35 J	2.30 UJ	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.25	5.09	4.39	4.94
METALS	BERYLLIUM	MG/KG	NS	2	2	0.788	0.923	0.641	0.885
METALS	CADMIUM	MG/KG	NS	39	100	2.74 UJ	2.93 U	2.87 UJ	2.77 UJ
METALS	COPPER	MG/KG	NS	600	600	15.5	24.5	15.6	19.0
METALS	LEAD	MG/KG	NS	400	600	5.32 J	7.27	6.54 J	5.70 J
METALS	MERCURY	MG/KG	NS	14	270	0.0175 J	0.0309 J	0.0343 J	0.0117 J
METALS	NICKEL	MG/KG	NS	250	2400	12.3	16.2	13.8	13.7
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 U	2.34 U	2.30 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.547 U	0.585 U	0.575 U	0.554 U
METALS	THALLIUM	MG/KG	NS	2	2	2.68	1.93 J	2.84	3.12
METALS	ZINC	MG/KG	NS	1500	1500	68.1 J	67.5 J	69.3 J	87.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	NA	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	NA	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	NA	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	NA	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	NA	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	NA	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	NA	7000 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	NA	880 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-02 SB-R-P7-02(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P7-02 TP-R-P7-02(8.0-8.5) 08/07/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(4.0-4.5) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	NA	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-03 TP-R-P7-03(8.0-8.5) 08/07/06	AREA I STORAGE SB-R-Q5-01 SB-R-Q5-01(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-Q5-01 SB-R-Q5-01(2.0-2.5) 04/26/06	AREA I STORAGE SB-R-Q6-01 SB-R-Q6-01(0.5-1.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	2700 U	3000 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	670 U	750 U	770 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	670 U	750 U	770 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	670 U	750 U	770 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	670 U	750 U	770 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	190 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2200 U	2300 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	190 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	190 U	190 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	190 U	190 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	190 U	190 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	190 U	190 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	190 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	370 U	380 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	190 U	190 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	190 U	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	190 U	190 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	190 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	190 U	190 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	190 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	190 U	190 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.17 UJ	1.98 UJ	9.62 UJ	2.49 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.49	5.79	6.21 J	3.36 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.749	0.617	1.06 J	1.03
METALS	CADMIUM	MG/KG	NS	39	100	2.71 U	0.275 J	2.40 U	0.622 U
METALS	COPPER	MG/KG	NS	600	600	17.7	18.8	21.8	11.6 J
METALS	LEAD	MG/KG	NS	400	600	4.78	7.62	7.17 J	9.23 J
METALS	MERCURY	MG/KG	NS	14	270	0.107 U	0.0280 J	0.0193 J	0.0137 J
METALS	NICKEL	MG/KG	NS	250	2400	9.55	15.3	15.1	10.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 U	1.98 U	9.62 U	2.49 U
METALS	SILVER	MG/KG	NS	110	4100	0.543 U	0.495 U	2.40 U	0.622 U
METALS	THALLIUM	MG/KG	NS	2	2	2.17 U	1.17 J	9.62 U	2.49 U
METALS	ZINC	MG/KG	NS	1500	1500	59.6 J	92.4	89.7	80
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	340 U	340 U	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	340 U	340 U	370 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	340 U	340 U	370 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	340 U	340 U	370 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	340 U	340 U	370 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	140000 UJ	130000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	6800 U	6700 U	7500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	840 U	840 U	930 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	19 U	19 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	19 U	19 U	21 U

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-03 TP-R-P7-03(8.0-8.5) 08/07/06	AREA I STORAGE SB-R-Q5-01 SB-R-Q5-01(0.5-1.0) 04/26/06	AREA I STORAGE SB-R-Q5-01 SB-R-Q5-01(2.0-2.5) 04/26/06	AREA I STORAGE SB-R-Q6-01 SB-R-Q6-01(0.5-1.0) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	19 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	19 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	19 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	19 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	19 U	19 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	19 U	19 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q6-01 SB-R-Q6-01(4.0-4.5) 04/24/06	AREA I STORAGE SB-R-Q6-02 SB-R-Q6-02(0.5-1.0) 04/24/06	AREA I STORAGE SB-R-Q6-02 SB-R-Q6-02(2.0-2.5) 04/24/06	AREA I STORAGE SB-R-Q6-03 SB-R-Q6-03(0.5-1.0) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	2800 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	710 U	700 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	710 U	700 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	710 U	700 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	710 U	700 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	41 J	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	57 J	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	370 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	44 J	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.27 UJ	2.2 UJ	2.22 UJ	0.959 J
METALS	ARSENIC	MG/KG	NS	20	20	10.8 J	4.25 J	2.66 J	2.92
METALS	BERYLLIUM	MG/KG	NS	2	2	0.518 J	0.295 J	0.456 J	0.848
METALS	CADMIUM	MG/KG	NS	39	100	0.566 U	0.55 U	0.556 U	0.581 U
METALS	COPPER	MG/KG	NS	600	600	15.3 J	15.1 J	14.9 J	8.14
METALS	LEAD	MG/KG	NS	400	600	11.9 J	7.95 J	3.39 J	5.01
METALS	MERCURY	MG/KG	NS	14	270	0.0088 J	0.0056 J	0.104 UJ	0.0227 J
METALS	NICKEL	MG/KG	NS	250	2400	11.1	10.8	9.48	9.19
METALS	SELENIUM	MG/KG	NS	63	3100	2.27 U	2.2 U	2.22 U	2.32 U
METALS	SILVER	MG/KG	NS	110	4100	0.566 U	0.55 U	0.556 U	0.581 U
METALS	THALLIUM	MG/KG	NS	2	2	2.27 U	2.2 U	2.22 U	2.32 U
METALS	ZINC	MG/KG	NS	1500	1500	59.1	50.2	53.5	74.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	340 UJ	340 UJ	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	340 UJ	340 UJ	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	340 UJ	340 UJ	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 UJ	340 UJ	340 UJ	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	340 UJ	340 UJ	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 UJ	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 UJ	6800 UJ	6700 UJ	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	850 UJ	840 UJ	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q6-01 SB-R-Q6-01(4.0-4.5) 04/24/06	AREA I STORAGE SB-R-Q6-02 SB-R-Q6-02(0.5-1.0) 04/24/06	AREA I STORAGE SB-R-Q6-02 SB-R-Q6-02(2.0-2.5) 04/24/06	AREA I STORAGE SB-R-Q6-03 SB-R-Q6-03(0.5-1.0) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q6-03 SB-R-Q6-03(1.5-2.0) 05/01/06	AREA I STORAGE SB-R-Q6-04 SB-R-Q6-04(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-Q6-04 SB-R-Q6-04(4.0-4.5) 05/01/06	AREA I STORAGE SB-R-Q7-01 SB-R-Q7-01(0.5-1.0) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2700 U	2500 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	790 U	680 U	620 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 U	680 U	620 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 U	680 U	620 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 U	680 U	620 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2100 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	180 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	180 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	180 U	180 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	180 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	350 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	180 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	180 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.42 J	1.36 J	0.856 J	2.34 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.67	4.22	2.28	2.89 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.621	0.681	0.753	0.164 J
METALS	CADMIUM	MG/KG	NS	39	100	0.581 U	0.544 U	0.506 U	0.585 U
METALS	COPPER	MG/KG	NS	600	600	9.87	13.6	16.9	6.52 J
METALS	LEAD	MG/KG	NS	400	600	6.13	3.24	1.95 J	10 J
METALS	MERCURY	MG/KG	NS	14	270	0.0180 J	0.0164 J	0.0066 J	0.0178 J
METALS	NICKEL	MG/KG	NS	250	2400	9.84	9.87	6.65	6.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.32 U	2.18 U	2.02 U	2.34 U
METALS	SILVER	MG/KG	NS	110	4100	0.581 U	0.544 U	0.506 U	0.585 U
METALS	THALLIUM	MG/KG	NS	2	2	1.17 J	1.18 J	1.36 J	1.55 J
METALS	ZINC	MG/KG	NS	1500	1500	75.8	60.3	49.5	39.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	320 U	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	320 U	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	320 U	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	330 U	320 U	360 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	330 U	320 U	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	130000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6600 U	6300 U	7200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	820 U	790 U	900 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	18 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	18 U	20 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q6-03 SB-R-Q6-03(1.5-2.0) 05/01/06	AREA I STORAGE SB-R-Q6-04 SB-R-Q6-04(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-Q6-04 SB-R-Q6-04(4.0-4.5) 05/01/06	AREA I STORAGE SB-R-Q7-01 SB-R-Q7-01(0.5-1.0) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	18 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	18 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	18 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	18 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	18 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	18 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q7-01 SB-R-Q7-01(5.5-6.0) 04/25/06	AREA I STORAGE SB-R-Q7-02 SB-R-Q7-02(0.5-1.0) 06/28/06	AREA I STORAGE SB-R-R6-01 SB-R-R6-01(1.0-1.5) 04/25/06	AREA I STORAGE SB-R-R6-01 SB-R-R6-01(2.0-2.5) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	3200 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	670 U	730 U	800 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	730 U	800 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 U	730 U	800 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 U	730 U	800 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	210 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2500 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	200 U	210 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	200 U	210 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	200 U	210 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	210 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	210 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	400 U	420 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	200 U	210 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	210 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	210 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	210 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	210 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	210 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	210 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.2 UJ	2.30 UJ	2.53 UJ	2.27 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.91 J	3.68	6.22 J	3.49 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.205 J	0.689	0.736	0.469 J
METALS	CADMIUM	MG/KG	NS	39	100	0.549 U	0.103 J	0.634 U	0.567 U
METALS	COPPER	MG/KG	NS	600	600	8.08 J	13.0	27.2 J	8.83 J
METALS	LEAD	MG/KG	NS	400	600	3.25 J	5.36 J	24.7 J	6.21 J
METALS	MERCURY	MG/KG	NS	14	270	0.0062 J	0.0176 J	0.0511 J	0.0047 J
METALS	NICKEL	MG/KG	NS	250	2400	5.66	9.98	9.44	8.98
METALS	SELENIUM	MG/KG	NS	63	3100	2.2 U	2.30 U	2.53 U	2.27 U
METALS	SILVER	MG/KG	NS	110	4100	0.549 U	0.576 UJ	0.634 U	0.567 U
METALS	THALLIUM	MG/KG	NS	2	2	1.37 J	2.30 U	2.25 J	2.27 U
METALS	ZINC	MG/KG	NS	1500	1500	23.1	41.1	87.2	86.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	360 U	380 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	360 U	380 UJ	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	360 U	380 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 UJ	360 U	380 UJ	360 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	360 U	380 UJ	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 UJ	7100 U	7600 UJ	7100 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 UJ	890 U	950 UJ	890 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	22 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-Q7-01 SB-R-Q7-01(5.5-6.0) 04/25/06	AREA I STORAGE SB-R-Q7-02 SB-R-Q7-02(0.5-1.0) 06/28/06	AREA I STORAGE SB-R-R6-01 SB-R-R6-01(1.0-1.5) 04/25/06	AREA I STORAGE SB-R-R6-01 SB-R-R6-01(2.0-2.5) 04/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	7.6 J	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	7.6 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R6-02 SB-R-R6-02(0.5-1.0) 04/24/06	AREA I STORAGE SB-R-R6-02 SB-R-R6-02(4.0-4.5) 04/24/06	AREA I STORAGE SB-R-R6-03 SB-R-R6-03(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-R6-03 SB-R-R6-03(1.5-2.0) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2700 U	3000 U	2000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	660 U	750 U	500 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	660 U	750 U	500 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	660 U	750 U	500 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	660 U	750 U	500 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	210 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	210 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	210 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	210 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	210 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	210 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	360 U	420 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	210 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	210 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	210 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	210 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	210 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	210 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	210 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.24 UJ	2.14 UJ	1.02 J	1.62 J
METALS	ARSENIC	MG/KG	NS	20	20	2.49 J	2.91 J	6.57	6.47
METALS	BERYLLIUM	MG/KG	NS	2	2	0.283 J	0.572	1.09	0.677
METALS	CADMIUM	MG/KG	NS	39	100	0.561 U	0.535 U	0.621 U	0.575 U
METALS	COPPER	MG/KG	NS	600	600	11.7 J	14.7 J	9.18	13.2
METALS	LEAD	MG/KG	NS	400	600	3.82 J	3.13 J	15.0	8.46
METALS	MERCURY	MG/KG	NS	14	270	0.0108 J	0.108 UJ	0.0347 J	0.0250 J
METALS	NICKEL	MG/KG	NS	250	2400	8.25	7.64	11.1	15.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.24 U	2.14 U	2.48 U	2.30 U
METALS	SILVER	MG/KG	NS	110	4100	0.561 U	0.535 U	0.621 U	0.575 U
METALS	THALLIUM	MG/KG	NS	2	2	1.5 J	1.3 J	2.48 U	2.30 U
METALS	ZINC	MG/KG	NS	1500	1500	51.4	47	110	64.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	330 UJ	380 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	330 UJ	380 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	330 UJ	380 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 UJ	330 UJ	380 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	330 UJ	380 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	6600 UJ	7600 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	820 UJ	950 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R6-02 SB-R-R6-02(0.5-1.0) 04/24/06	AREA I STORAGE SB-R-R6-02 SB-R-R6-02(4.0-4.5) 04/24/06	AREA I STORAGE SB-R-R6-03 SB-R-R6-03(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-R6-03 SB-R-R6-03(1.5-2.0) 05/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	22 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R7-01 SB-R-R7-01(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-01 TP-R-R7-01(4.5-5.0) 08/04/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(2.0-2.5) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	3000 U	2900 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	630 U	740 U	720 U	780 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	630 U	740 U	720 U	780 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	630 U	740 U	720 U	780 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	630 U	740 U	720 U	780 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	920 U	200 U	200 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	11000 U	2500 U	2400 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	920 U	200 U	200 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	590 J	200 U	200 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	570 J	200 U	200 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	990	200 U	61 J	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	400 J	200 U	200 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	920 U	200 U	200 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	1800 U	410 U	400 U	430 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	750 J	200 U	51 J	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	920 U	200 U	200 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	920 U	200 U	200 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	920 U	200 U	200 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 J	200 U	200 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	920 U	200 U	200 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	920 U	200 U	200 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 UJ	1.92 J	2.39 UJ	2.44 UJ
METALS	ARSENIC	MG/KG	NS	20	20	56.1 J	5.97 J	42.4 J	29.4 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.303 J	0.955	0.262 J	0.139 J
METALS	CADMIUM	MG/KG	NS	39	100	0.533 U	0.596 U	0.597 U	3.04 U
METALS	COPPER	MG/KG	NS	600	600	14.7 J	11.0 J	21.2 J	17.5 J
METALS	LEAD	MG/KG	NS	400	600	19.2 J	13.5	53.5 J	12.5 J
METALS	MERCURY	MG/KG	NS	14	270	0.065 J	0.0325 J	0.108 J	0.0188 J
METALS	NICKEL	MG/KG	NS	250	2400	10.3	13.5	9.23	13.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	2.38 U	1.68 J	2.44 U
METALS	SILVER	MG/KG	NS	110	4100	0.533 U	0.596 U	0.597 U	0.609 U
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.38 U	2.39 U	1.69 J
METALS	ZINC	MG/KG	NS	1500	1500	43	59.4 J	68.6	58
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	370 U	360 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	370 U	360 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	370 U	360 UJ	380 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 UJ	740 U	360 UJ	380 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	370 U	360 UJ	380 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	150000 U	140000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	7400 U	7200 UJ	7700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 UJ	920 U	900 UJ	960 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	21 U	21 U	22 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	21 U	21 U	22 U

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R7-01 SB-R-R7-01(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-01 TP-R-R7-01(4.5-5.0) 08/04/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(2.0-2.5) 04/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	21 U	21 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	21 U	21 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	21 U	21 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	26	21 U	21 U	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	7.8 J	21 U	21 U	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	33.8 J	21 U	21 U	22 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R7-02 TP-R-R7-02(6.0-6.5) 08/04/06	AREA I STORAGE SB-R-S7-01 SB-R-S7-01(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-S7-01 SB-R-S7-01(1.5-2.0) 05/01/06	AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(1.5-2.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3100 U	3100 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	790 U	770 U	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	790 U	770 U	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	790 U	770 U	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	790 U	770 U	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	210 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2500 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	210 U	200 U	490
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	210 U	200 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	210 U	200 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	210 U	200 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	210 U	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	210 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	420 U	410 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	210 U	200 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	210 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	210 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	210 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	210 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	210 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	210 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.06 UJ	1.16 J	1.28 J	NA
METALS	ARSENIC	MG/KG	NS	20	20	6.69 J	5.65	8.40	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	0.483 J	0.846	0.914	NA
METALS	CADMIUM	MG/KG	NS	39	100	0.516 U	0.622 U	0.609 U	NA
METALS	COPPER	MG/KG	NS	600	600	19.0 J	15.4	18.4	NA
METALS	LEAD	MG/KG	NS	400	600	5.14	11.7	10.4	NA
METALS	MERCURY	MG/KG	NS	14	270	0.0170 J	0.0429 J	0.0497 J	NA
METALS	NICKEL	MG/KG	NS	250	2400	16.6	14.4	13.9	NA
METALS	SELENIUM	MG/KG	NS	63	3100	2.06 U	2.49 U	2.44 U	NA
METALS	SILVER	MG/KG	NS	110	4100	0.516 U	0.622 U	0.609 U	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.06 U	2.49 U	1.53 J	NA
METALS	ZINC	MG/KG	NS	1500	1500	44.7 J	140	61.0	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	380 U	370 U	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	380 U	370 U	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	380 U	370 U	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	380 U	370 U	650 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	380 U	370 U	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	150000 U	150000 U	87000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	7600 U	7300 U	6500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	950 U	910 U	820 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	22 U	21 U	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	22 U	21 U	NA

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R7-02 TP-R-R7-02(6.0-6.5) 08/04/06	AREA I STORAGE SB-R-S7-01 SB-R-S7-01(0.5-1.0) 05/01/06	AREA I STORAGE SB-R-S7-01 SB-R-S7-01(1.5-2.0) 05/01/06	AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(1.5-2.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	22 U	21 U	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	22 U	21 U	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	22 U	21 U	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	22 U	21 U	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	22 U	21 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	22 U	21 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(10.5-11.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	1300	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	47 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	44 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	150 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	46 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	360 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	60 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	110 J	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 UJ	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	60 UJ	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	54 J	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	330 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	330 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	330 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	700 UJ	650 UJ	650 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	330 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	180000 J	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 UJ	11000 J	6500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	820 UJ	810 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(10.5-11.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-3 TP-R-J10-2166-3(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-3 TP-R-J10-2166-3(11.5-12.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 UJ	670 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 UJ	6700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 UJ	840 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-3 TP-R-J10-2166-3(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-J10-2166-3 TP-R-J10-2166-3(11.5-12.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(4.0-4.5) 07/17/06	AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(7.5-8.0) 07/17/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(1.5-2.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2600 U	2700 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	640 U	670 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	640 U	670 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	640 U	670 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	640 U	670 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	170 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2100 U	2100 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	170 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	170 U	180 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	170 U	180 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	170 U	180 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	170 U	180 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	170 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	340 U	350 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	170 U	180 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	170 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	170 U	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	170 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	170 U	180 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	170 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	170 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.09 U	2.04 U	2.07 U	2.33 J
METALS	ARSENIC	MG/KG	NS	20	20	2.22	3.06	1.58 J	9.24
METALS	BERYLLIUM	MG/KG	NS	2	2	0.464 J	0.561	0.594	0.904
METALS	CADMIUM	MG/KG	NS	39	100	0.522 U	0.923	0.936	0.219 J
METALS	COPPER	MG/KG	NS	600	600	9.03	12.6	16.0	88.0
METALS	LEAD	MG/KG	NS	400	600	2.32	4.03	2.95	159
METALS	MERCURY	MG/KG	NS	14	270	0.0984 U	0.0988 U	0.0977 U	0.174
METALS	NICKEL	MG/KG	NS	250	2400	6.58	9.09	8.06	18.7
METALS	SELENIUM	MG/KG	NS	63	3100	2.09 U	2.04 U	2.07 U	2.21 J
METALS	SILVER	MG/KG	NS	110	4100	0.282 J	0.208 J	0.296 J	1.08
METALS	THALLIUM	MG/KG	NS	2	2	2.09 U	2.04 U	2.07 U	2.13 J
METALS	ZINC	MG/KG	NS	1500	1500	41.5	77.6	99.2	730
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 UJ	310 UJ	320 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 UJ	310 UJ	320 UJ	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 UJ	310 UJ	320 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	630 UJ	620 UJ	630 UJ	720 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 UJ	310 UJ	320 UJ	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	120000 U	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6300 UJ	6200 UJ	6300 UJ	7200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	780 UJ	770 UJ	790 UJ	900 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	17 U	18 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	17 U	18 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(4.0-4.5) 07/17/06	AREA I STORAGE TP-R-N6-1-1 TP-R-N6-1-1(7.5-8.0) 07/17/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(1.5-2.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	17 U	18 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	17 U	18 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	17 U	18 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	17 U	18 U	250
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	17 U	18 U	51
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	17 U	18 U	301

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(4.0-4.5) 07/19/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(9.5-10.0) 07/19/06	AREA I STORAGE TP-R-N6-1-12 TP-R-N6-1-12(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-12 TP-R-N6-1-12(8.5-9.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2800 U	3000 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	790 U	710 U	760 U	650 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 U	710 U	760 U	650 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 U	710 U	760 U	650 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 U	710 U	760 U	650 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2300 U	2400 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	67 J	190 U	150 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	64 J	190 U	160 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	96 J	190 U	330	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	190 U	120 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	380 U	400 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	140 J	190 U	170 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	190 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	190 U	110 J	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.34 J	1.19 J	2.36 UJ	0.961 J
METALS	ARSENIC	MG/KG	NS	20	20	41.5	2.94	4.39	2.22
METALS	BERYLLIUM	MG/KG	NS	2	2	1.55	0.672	1.19	0.593
METALS	CADMIUM	MG/KG	NS	39	100	0.707	0.564 U	0.589 U	2.55 U
METALS	COPPER	MG/KG	NS	600	600	189	13.2	7.74	13.7
METALS	LEAD	MG/KG	NS	400	600	491	6.30	9.40	3.92
METALS	MERCURY	MG/KG	NS	14	270	0.182	0.111 U	0.0526 J	0.0128 J
METALS	NICKEL	MG/KG	NS	250	2400	20.7	8.98	10.6	12.6
METALS	SELENIUM	MG/KG	NS	63	3100	7.75	2.26 U	1.46 J	2.04 U
METALS	SILVER	MG/KG	NS	110	4100	2.36	0.281 J	0.267 J	0.230 J
METALS	THALLIUM	MG/KG	NS	2	2	4.52	2.26 U	2.36 U	1.78 J
METALS	ZINC	MG/KG	NS	1500	1500	1800	58.9	74.9	49.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 UJ	350 UJ	360 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 UJ	350 UJ	360 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 UJ	350 UJ	360 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	750 UJ	690 UJ	720 UJ	630 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 UJ	350 UJ	360 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 U	150000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7500 UJ	6900 UJ	7200 UJ	6300 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	940 UJ	860 UJ	900 UJ	790 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(4.0-4.5) 07/19/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(9.5-10.0) 07/19/06	AREA I STORAGE TP-R-N6-1-12 TP-R-N6-1-12(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-12 TP-R-N6-1-12(8.5-9.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	20 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	11 J	20 U	20 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	11 J	20 U	20 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(5.0-5.5) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(6.5-7.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(9.5-10.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	5000 U	2800 U	2600 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	1300 U	700 U	660 U	660 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	1300 U	700 U	660 U	660 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1300 U	700 U	660 U	660 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	1300 U	700 U	660 U	660 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1500 U	190 U	170 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	18000 U	2300 U	2100 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1500 U	190 U	170 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1500 U	110 J	170 U	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1500 U	86 J	170 U	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1500 U	160 J	170 U	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1500 U	71 J	170 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1500 U	190 U	170 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3000 U	390 U	350 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	1500 U	190	170 U	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1500 U	190 U	170 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1500 U	190 U	170 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1500 U	190 U	170 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1500 U	66 J	170 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1500 U	190 U	170 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1500 U	190 U	170 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.75 J	1.69 J	2.05 UJ	1.99 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.44	13.1	14.7	5.68
METALS	BERYLLIUM	MG/KG	NS	2	2	0.364 J	0.969	0.458 J	0.340 J
METALS	CADMIUM	MG/KG	NS	39	100	0.132 J	0.561 U	0.513 U	0.497 U
METALS	COPPER	MG/KG	NS	600	600	18.8	11.0	13.5	13.5
METALS	LEAD	MG/KG	NS	400	600	27.9	165	4.42	3.12
METALS	MERCURY	MG/KG	NS	14	270	0.140 J	0.194	0.102 U	0.102 U
METALS	NICKEL	MG/KG	NS	250	2400	6.83	8.60	6.70	4.14
METALS	SELENIUM	MG/KG	NS	63	3100	2.88 J	3.23	2.05 U	1.74 J
METALS	SILVER	MG/KG	NS	110	4100	0.485 J	0.375 J	0.513 U	0.271 J
METALS	THALLIUM	MG/KG	NS	2	2	3.47 U	1.57 J	2.05 U	1.99 U
METALS	ZINC	MG/KG	NS	1500	1500	42.4	72.1	114	30.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	540 UJ	350 UJ	310 UJ	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	540 UJ	350 UJ	310 UJ	310 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	540 UJ	350 UJ	310 UJ	310 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	1100 UJ	690 UJ	620 UJ	630 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	540 UJ	350 UJ	310 UJ	310 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	220000 U	140000 U	120000 U	120000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	11000 UJ	6900 UJ	6200 UJ	6300 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1400 UJ	870 UJ	780 UJ	780 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	31 U	20 U	18 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	31 U	20 U	18 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(5.0-5.5) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(6.5-7.0) 07/19/06	AREA I STORAGE TP-R-N6-1-13 TP-R-N6-1-13(9.5-10.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	31 U	20 U	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	31 U	20 U	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	31 U	20 U	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	31 U	20 U	18 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	7.6 J	10 J	18 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	7.6 J	10 J	18 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-14 TP-R-N6-1-14(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-14 TP-R-N6-1-14(11.0-11.5) 07/19/06	AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(10.0-10.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	2800 U	2600 U	2400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	840 U	700 U	650 U	610 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	840 U	700 U	650 U	610 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	840 U	700 U	650 U	610 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	840 U	700 U	650 U	610 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	980 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	12000 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	980 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	42 J	180 U	980 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	980 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	68 J	180 U	320 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	980 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	980 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	740	360 U	2000 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	55 J	180 U	270 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	980 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	980 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	980 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	980 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	980 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	600 J	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.04 J	2.13 UJ	1.98 J	1.45 J
METALS	ARSENIC	MG/KG	NS	20	20	6.32	2.46	11.7	10.1
METALS	BERYLLIUM	MG/KG	NS	2	2	0.559	0.648	0.647	0.754
METALS	CADMIUM	MG/KG	NS	39	100	0.558 U	0.533 U	0.328 J	0.544 U
METALS	COPPER	MG/KG	NS	600	600	15.6	12.7	383	16.1
METALS	LEAD	MG/KG	NS	400	600	28.3	4.15	584	4.28
METALS	MERCURY	MG/KG	NS	14	270	0.109 J	0.105 U	1.23	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	7.90	8.62	17.4	10.9
METALS	SELENIUM	MG/KG	NS	63	3100	2.97	2.13 U	1.35 J	1.19 J
METALS	SILVER	MG/KG	NS	110	4100	0.296 J	0.330 J	0.469 J	0.275 J
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	2.13 U	2.29 U	2.18 U
METALS	ZINC	MG/KG	NS	1500	1500	45.6	62.1	561	63.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	320 UJ	350 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	320 UJ	350 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	320 UJ	350 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 UJ	650 UJ	710 UJ	650 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	320 UJ	350 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	560000	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 UJ	6500 UJ	6400 J	6500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	810 UJ	880 UJ	820 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U	20 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U	20 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-14 TP-R-N6-1-14(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-14 TP-R-N6-1-14(11.0-11.5) 07/19/06	AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(10.0-10.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U	20 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	15 J	18 U	20 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	15 J	18 U	20 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(9.5-10.0) 07/18/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(13.0-13.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2700 U	2800 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	670 U	700 U	780 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	670 U	700 U	780 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	670 U	700 U	780 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	670 U	700 U	780 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	79 J	180 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	64 J	180 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	140 J	180 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	73 J	180 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	360 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	100 J	180 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	46 J	180 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	59 J	1900
METALS	ANTIMONY	MG/KG	NS	14	340	1.12 J	2.15 U	1.12 J	2.19 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.45	2.21	4.81	2.24
METALS	BERYLLIUM	MG/KG	NS	2	2	0.566 J	0.524 J	0.693	0.544 J
METALS	CADMIUM	MG/KG	NS	39	100	0.586 U	0.538 U	0.536 U	0.549 U
METALS	COPPER	MG/KG	NS	600	600	9.99	16.7	23.0	17.5
METALS	LEAD	MG/KG	NS	400	600	7.52 J	2.67 J	3.78	4.60
METALS	MERCURY	MG/KG	NS	14	270	0.0252 J	0.103 U	0.146	0.0142 J
METALS	NICKEL	MG/KG	NS	250	2400	9.69	7.36	11.3	7.74
METALS	SELENIUM	MG/KG	NS	63	3100	2.34 U	2.15 U	1.05 J	1.12 J
METALS	SILVER	MG/KG	NS	110	4100	0.236 J	0.256 J	0.258 J	0.366 J
METALS	THALLIUM	MG/KG	NS	2	2	2.36	1.93 J	2.15 U	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	50.4 J	53.8 J	89.0	105
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	330 UJ	340 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	330 UJ	340 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	330 UJ	340 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 UJ	650 UJ	680 UJ	680 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	330 UJ	340 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 UJ	6500 UJ	6800 UJ	6800 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 UJ	820 UJ	840 UJ	850 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U	19 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(9.5-10.0) 07/18/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(13.0-13.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U	240	34
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	18 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18 U	240	34

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(18.0-18.5) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(16.0-16.5) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(8.5-9.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2900 U	2900 U	3600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	640 U	720 U	730 U	910 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	640 U	720 U	730 U	910 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	640 U	720 U	730 U	910 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	640 U	720 U	730 U	910 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	200 U	230 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2400 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	200 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	200 U	230 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	200 U	230 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	200 U	230 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	200 U	230 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	200 U	230 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	390 U	450 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	200 U	230 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	200 U	230 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	200 U	230 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	200 U	230 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	200 U	230 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	200 U	230 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	93 J	110 J	200 U	520
METALS	ANTIMONY	MG/KG	NS	14	340	2.16 UJ	2.04 J	1.30 J	1.28 J
METALS	ARSENIC	MG/KG	NS	20	20	1.77 J	4.50	2.77	4.29
METALS	BERYLLIUM	MG/KG	NS	2	2	0.469 J	0.777	0.705	0.834
METALS	CADMIUM	MG/KG	NS	39	100	0.540 U	0.559 U	0.579 U	0.678 U
METALS	COPPER	MG/KG	NS	600	600	10.3	18.8	14.5	19.8
METALS	LEAD	MG/KG	NS	400	600	2.91	22.0	45.7	53.1
METALS	MERCURY	MG/KG	NS	14	270	0.0129 J	0.0815 J	0.0164 J	0.117 J
METALS	NICKEL	MG/KG	NS	250	2400	5.95	11.9	8.41	13.6
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 U	1.35 J	2.32 U	2.71 U
METALS	SILVER	MG/KG	NS	110	4100	0.367 J	0.456 J	0.220 J	0.411 J
METALS	THALLIUM	MG/KG	NS	2	2	2.16 U	2.68	1.64 J	2.18 J
METALS	ZINC	MG/KG	NS	1500	1500	53.6	123	86.3	180
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	340 UJ	350 UJ	410 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	340 UJ	350 UJ	410 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	660 UJ	340 UJ	350 UJ	410 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 UJ	340 UJ	710 UJ	810 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	340 UJ	350 UJ	410 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	140000 U	160000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 UJ	6700 UJ	7100 UJ	8100 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 UJ	840 UJ	890 UJ	1000 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	20 U	23 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	20 U	23 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-17 TP-R-N6-1-17(18.0-18.5) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(16.0-16.5) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(8.5-9.0) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	20 U	23 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	20 U	23 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	20 U	23 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	29	20 U	15 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	20 U	23 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	29	20 U	15 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(3.0-3.5) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(9.0-9.5) 07/18/06	AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(1.5-2.0) 07/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3600 U	2800 U	2300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	890 U	690 U	580 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	890 U	690 U	580 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	890 U	690 U	580 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	890 U	690 U	580 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	240 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2900 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	240 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	74 J	240 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	59 J	240 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	80 J	240 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	38 J	240 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	240 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	480 U	370 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	63 J	240 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	240 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	240 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	240 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	240 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	240 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	240 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.14 U	2.84 U	2.18 U	2.10 U
METALS	ARSENIC	MG/KG	NS	20	20	3.30	5.64	1.48 J	3.77
METALS	BERYLLIUM	MG/KG	NS	2	2	0.499 J	1.14	0.644	0.800
METALS	CADMIUM	MG/KG	NS	39	100	0.535 U	0.157 J	0.544 U	0.526 U
METALS	COPPER	MG/KG	NS	600	600	12.8	11.7	14.5	16.0
METALS	LEAD	MG/KG	NS	400	600	8.41 J	16.1 J	3.39 J	4.74
METALS	MERCURY	MG/KG	NS	14	270	0.0258 J	0.0523 J	0.108 U	0.109 U
METALS	NICKEL	MG/KG	NS	250	2400	7.05	10.6	8.71	8.92
METALS	SELENIUM	MG/KG	NS	63	3100	2.14 U	2.84 U	2.18 U	2.10 U
METALS	SILVER	MG/KG	NS	110	4100	0.274 J	0.709 U	0.205 J	0.247 J
METALS	THALLIUM	MG/KG	NS	2	2	2.62	2.06 J	2.50	2.10 U
METALS	ZINC	MG/KG	NS	1500	1500	122 J	401 J	75.9 J	101
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ	430 UJ	330 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ	430 UJ	330 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ	430 UJ	330 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	650 UJ	870 UJ	670 UJ	660 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 UJ	430 UJ	330 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	170000 U	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 UJ	8700 UJ	6700 UJ	6600 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 UJ	1100 UJ	830 UJ	820 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	25 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	25 U	19 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(3.0-3.5) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(9.0-9.5) 07/18/06	AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(1.5-2.0) 07/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	25 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	25 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	25 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	25 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	25 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	25 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(13.5-14.0) 07/17/06	AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(7.5-8.0) 07/17/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(10.0-10.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2600 U	2700 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	640 U	650 U	680 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	640 U	650 U	680 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	640 U	650 U	680 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	640 U	650 U	680 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2100 UJ	2300 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	180 U	550
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	180 U	550
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	180 U	720
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	180 U	280
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	360 U	350 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	180 U	530
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	180 U	160 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	180 U	80 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	180 U	280
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	180 U	510
METALS	ANTIMONY	MG/KG	NS	14	340	2.15 U	2.11 U	2.09 UJ	2.31 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.51	3.16	2.30	3.47
METALS	BERYLLIUM	MG/KG	NS	2	2	0.699	0.667	0.427 J	0.468 J
METALS	CADMIUM	MG/KG	NS	39	100	0.536 U	0.527 U	0.521 U	0.579 U
METALS	COPPER	MG/KG	NS	600	600	14.8	14.4	10.1	15.6
METALS	LEAD	MG/KG	NS	400	600	3.48	3.87	5.30	13.4
METALS	MERCURY	MG/KG	NS	14	270	0.102 U	0.101 U	0.104 U	0.0581 J
METALS	NICKEL	MG/KG	NS	250	2400	8.98	7.85	5.29	7.91
METALS	SELENIUM	MG/KG	NS	63	3100	2.15 U	2.11 U	2.09 U	2.31 U
METALS	SILVER	MG/KG	NS	110	4100	0.198 J	0.262 J	0.521 U	0.579 U
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	2.11 U	1.55 J	2.10 J
METALS	ZINC	MG/KG	NS	1500	1500	81.1	110	39.7 J	60.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	330 UJ	320 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	330 UJ	320 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	330 UJ	320 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	650 UJ	650 UJ	640 UJ	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	330 UJ	320 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	130000 U	84000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 UJ	6500 UJ	6400 UJ	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 UJ	810 UJ	800 UJ	870 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	18 U	18 UJ	20 UJ
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	18 U	18 U	20 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(13.5-14.0) 07/17/06	AREA I STORAGE TP-R-N6-1-2 TP-R-N6-1-2(7.5-8.0) 07/17/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(10.0-10.5) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	18 U	18 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	18 U	18 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	18 U	18 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	18 U	18 U	13 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	18 U	18 UJ	20 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	18 U	18 U	13 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(19.5-20.0) 07/20/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(9.5-10.0) 07/18/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(1.5-2.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3200 U	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	800 U	770 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	800 U	770 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	800 U	770 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	800 U	770 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	210 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 UJ	2500 U	2400 U	2200 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 J	200 U	180 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	120 J	200 U	150 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	230	200 U	220
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	69 J	200 U	110 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	210 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	420 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	360	200 U	180 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	210 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	210 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	210 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	42 J	200 U	96 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	210 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 J	160 J	200
METALS	ANTIMONY	MG/KG	NS	14	340	2.12 UJ	2.43 U	1.27 J	2.24 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.21	14.9	5.42	4.07
METALS	BERYLLIUM	MG/KG	NS	2	2	0.669	0.510 J	0.879	0.772
METALS	CADMIUM	MG/KG	NS	39	100	0.529 U	0.167 J	0.598 U	0.560 U
METALS	COPPER	MG/KG	NS	600	600	17.6	92.0	19.7	31.8
METALS	LEAD	MG/KG	NS	400	600	5.01	163	14.2 J	55.0
METALS	MERCURY	MG/KG	NS	14	270	0.103 U	23.5	0.149	0.0681 J
METALS	NICKEL	MG/KG	NS	250	2400	9.00	19.5	13.0	12.5
METALS	SELENIUM	MG/KG	NS	63	3100	2.12 U	2.12 J	2.39 U	2.24 U
METALS	SILVER	MG/KG	NS	110	4100	0.269 J	0.322 J	0.246 J	0.346 J
METALS	THALLIUM	MG/KG	NS	2	2	3.08	2.43 U	2.38 J	2.15 J
METALS	ZINC	MG/KG	NS	1500	1500	78.6 J	328	100 J	157 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	380 UJ	360 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	380 UJ	360 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	380 UJ	360 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	650 UJ	750 UJ	720 UJ	670 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	380 UJ	360 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	150000 U	150000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 UJ	7500 UJ	7200 UJ	4800 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 UJ	940 UJ	910 UJ	840 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 UJ	21 U	21 U	19 UJ
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	21 U	21 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(19.5-20.0) 07/20/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(9.5-10.0) 07/18/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(1.5-2.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	21 U	21 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	21 U	21 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	21 U	21 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	21 U	21 U	90 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 UJ	100	21 U	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	100	21 U	90

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(14.5-15.0) 07/20/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(5.5-6.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	3000 UJ	2500 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	630 U	82 J	620 U	840 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	630 U	760 U	620 U	840 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	630 U	760 U	620 U	840 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	630 U	760 U	620 U	840 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	190 U	180 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 UJ	2300 UJ	2200 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	190 U	180 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	190 U	180 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	190 U	180 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	190 U	180 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	190 U	180 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	190 U	180 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	390 U	360 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	190 U	180 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	190 U	180 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	190 U	180 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	190 U	180 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	190 U	180 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	190 U	180 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	1100	180 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.09 UJ	2.33 UJ	2.10 U	2.47 U
METALS	ARSENIC	MG/KG	NS	20	20	1.46 J	4.47	3.35	3.72
METALS	BERYLLIUM	MG/KG	NS	2	2	0.394 J	0.804	0.777	1.23
METALS	CADMIUM	MG/KG	NS	39	100	0.524 U	0.583 U	0.524 U	0.617 U
METALS	COPPER	MG/KG	NS	600	600	8.97	19.3	28.4	9.02
METALS	LEAD	MG/KG	NS	400	600	2.28	13.8	9.25	11.8
METALS	MERCURY	MG/KG	NS	14	270	0.104 U	0.0159 J	0.0370 J	0.0455 J
METALS	NICKEL	MG/KG	NS	250	2400	5.95	12.8	9.55	10.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.09 U	2.33 U	2.10 U	2.47 U
METALS	SILVER	MG/KG	NS	110	4100	0.524 U	0.417 J	0.235 J	0.617 U
METALS	THALLIUM	MG/KG	NS	2	2	1.63 J	3.00	2.10 U	2.05 J
METALS	ZINC	MG/KG	NS	1500	1500	51.8 J	112 J	61.5	78.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 UJ	350 UJ	320 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 UJ	350 UJ	320 UJ	380 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 UJ	350 UJ	320 UJ	380 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	630 UJ	700 UJ	650 UJ	760 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 UJ	350 UJ	320 UJ	380 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 UJ	130000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6300 UJ	7000 UJ	6500 UJ	7600 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	790 UJ	870 UJ	810 UJ	940 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 UJ	40 UJ	18 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	40 U	18 U	21 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(14.5-15.0) 07/20/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(5.5-6.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	40 U	18 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	40 U	18 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	40 U	18 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	120 J	18 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 UJ	40 UJ	18 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	120	18 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(8.5-9.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.19 U
METALS	ARSENIC	MG/KG	NS	20	20	3.67
METALS	BERYLLIUM	MG/KG	NS	2	2	0.828
METALS	CADMIUM	MG/KG	NS	39	100	0.547 U
METALS	COPPER	MG/KG	NS	600	600	15.5
METALS	LEAD	MG/KG	NS	400	600	5.32
METALS	MERCURY	MG/KG	NS	14	270	0.0132 J
METALS	NICKEL	MG/KG	NS	250	2400	12.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.257 J
METALS	THALLIUM	MG/KG	NS	2	2	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	59.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U

Table B2-3

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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(8.5-9.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(13.5-14.0) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(2.0-2.5) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(1.5-2.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 UJ	3700 UJ	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	730 UJ	920 UJ	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	730 UJ	920 UJ	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	730 UJ	920 UJ	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	730 UJ	920 UJ	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	230 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 UJ	2400 UJ	2700 UJ	2300 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	230 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	470	230 U	180 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	400	230 U	170 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	550	230 U	300
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	240	230 U	130 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	230 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	200 J	450 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	580	230 U	210
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	130 J	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	65 J	230 U	39 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	230 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	210	230 U	130 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	230 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	27000	65 J	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.29 UJ	1.20 J	27.1 J	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.69	7.31	7.67	6.60
METALS	BERYLLIUM	MG/KG	NS	2	2	0.617	0.526 J	0.395 J	0.765
METALS	CADMIUM	MG/KG	NS	39	100	0.573 U	0.533 J	1.95	0.394 J
METALS	COPPER	MG/KG	NS	600	600	10.5	81.2	45000	44.4
METALS	LEAD	MG/KG	NS	400	600	7.47	68.7	703	53.6
METALS	MERCURY	MG/KG	NS	14	270	0.0205 J	2.84	0.666	0.684
METALS	NICKEL	MG/KG	NS	250	2400	10.5	14.7	112	12.6
METALS	SELENIUM	MG/KG	NS	63	3100	2.29 U	2.44 U	1.74 J	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.245 J	0.678	4.60	0.322 J
METALS	THALLIUM	MG/KG	NS	2	2	3.18	2.10 J	2.87	1.98 J
METALS	ZINC	MG/KG	NS	1500	1500	66.0 J	294 J	6770 J	98.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	370 UJ	410 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	370 UJ	410 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	370 UJ	410 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	720 UJ	730 UJ	820 UJ	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	420 J	410 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	150000 U	160000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 UJ	7300 UJ	8200 UJ	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 UJ	920 UJ	1000 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 UJ	100 UJ	230 UJ	98 UJ
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	100 U	230 U	98 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(13.5-14.0) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(2.0-2.5) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(1.5-2.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	100 U	230 U	98 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	100 U	230 U	98 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	100 U	3000	98 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	300	230 U	310
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 UJ	100 UJ	230 UJ	98 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	300	3000	310

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(11.5-12.0) 07/20/06	AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(20.5-21.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(16.5-17.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 UJ	3000 U	2800 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	840 UJ	760 U	700 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	840 UJ	760 U	700 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	840 UJ	760 U	700 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	840 UJ	760 U	700 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	230 U	200 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2700 UJ	2400 UJ	2300 UJ	2500 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	230 U	200 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	230 U	200 U	190 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	230 U	200 U	190 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	230 U	200 U	190 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	230 U	200 U	190 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	230 U	200 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	100 J	410 U	380 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	230 U	200 U	190 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	230 U	200 U	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	230 U	200 U	190 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	230 U	200 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	230 U	200 U	190 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	230 U	200 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	230 U	200 U	190 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.63 UJ	2.37 UJ	2.17 UJ	2.46 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.87	3.56	4.12	1.75 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.454 J	0.621	0.798	0.668
METALS	CADMIUM	MG/KG	NS	39	100	0.157 J	0.593 U	0.543 U	0.615 U
METALS	COPPER	MG/KG	NS	600	600	29.4	12.5	15.1	14.6
METALS	LEAD	MG/KG	NS	400	600	43.9	7.31	10.4	4.16
METALS	MERCURY	MG/KG	NS	14	270	0.107 J	0.0136 J	0.122	0.115 U
METALS	NICKEL	MG/KG	NS	250	2400	12.2	12.1	12.3	11.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.63 U	2.37 U	2.17 U	2.46 U
METALS	SILVER	MG/KG	NS	110	4100	0.263 J	0.382 J	0.330 J	0.274 J
METALS	THALLIUM	MG/KG	NS	2	2	2.63 U	3.64	2.97	2.53
METALS	ZINC	MG/KG	NS	1500	1500	125 J	61.4 J	114 J	71.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	410 UJ	370 UJ	340 UJ	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	410 UJ	370 UJ	340 UJ	370 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	410 UJ	370 UJ	340 UJ	370 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	820 UJ	730 UJ	680 UJ	740 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	410 UJ	370 UJ	340 UJ	370 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	150000 U	140000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8200 UJ	7300 UJ	6800 UJ	7400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 UJ	920 UJ	860 UJ	920 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 UJ	21 UJ	19 UJ	21 UJ
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	21 U	19 U	21 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(11.5-12.0) 07/20/06	AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(20.5-21.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(16.5-17.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	21 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	130	21 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	21 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	100	21 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	79 J	21 UJ	19 UJ	21 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	309	21 U	19 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(5.5-6.0) 07/20/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(11.5-12.0) 07/21/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(5.5-6.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 UJ	2900 U	2800 U	6100 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	770 UJ	720 U	710 U	1500 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 UJ	720 U	710 U	1500 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 UJ	720 U	710 U	1500 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 UJ	720 U	710 U	1500 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	190 U	400 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 UJ	2300 U	2200 U	4900 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	400 UJ
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	190 U	400 UJ
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	190 U	400 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	190 U	400 UJ
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	190 U	400 UJ
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U	400 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	390 U	370 U	810 UJ
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	190 U	400 UJ
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	190 U	400 UJ
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	190 U	400 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U	400 UJ
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	190 U	400 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	190 U	400 UJ
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	42 J	190 U	400 UJ
METALS	ANTIMONY	MG/KG	NS	14	340	2.40 UJ	2.33 UJ	2.14 UJ	4.71 UJ
METALS	ARSENIC	MG/KG	NS	20	20	35.1	5.41	3.01	2.62 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.471 J	0.649	0.772	0.577 J
METALS	CADMIUM	MG/KG	NS	39	100	0.122 J	0.581 U	0.536 U	1.18 U
METALS	COPPER	MG/KG	NS	600	600	41.3	82.2 J	22.2 J	16.0 J
METALS	LEAD	MG/KG	NS	400	600	10.7	41.1	3.26	14.1
METALS	MERCURY	MG/KG	NS	14	270	0.103 J	0.135	0.107 U	1.50
METALS	NICKEL	MG/KG	NS	250	2400	14.3	11.4 J	9.81 J	9.02 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.40 U	2.33 U	2.14 U	4.71 U
METALS	SILVER	MG/KG	NS	110	4100	0.791	0.521 J	0.536 U	1.18 U
METALS	THALLIUM	MG/KG	NS	2	2	1.94 J	2.33 U	10.7 U	4.71 U
METALS	ZINC	MG/KG	NS	1500	1500	94.4 J	125 J	68.6 J	99.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	350 U	330 U	730 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	350 U	330 U	730 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	350 U	330 U	730 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	730 UJ	700 U	670 U	1500 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	350 U	330 U	730 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	140000 U	180000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 UJ	7000 U	6700 U	15000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 UJ	870 U	840 U	1800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 UJ	20 U	19 U	41 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	19 U	41 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(5.5-6.0) 07/20/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(11.5-12.0) 07/21/06	AREA I STORAGE TP-R-N6-1-27 TP-R-N6-1-27(5.5-6.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	19 U	41 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	19 U	41 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	19 U	41 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	44 J	71	19 U	27 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 UJ	20 U	19 U	41 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	44	71	19 U	27 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(7.0-7.5) 07/18/06	AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(15.5-16.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	2900 U	2900 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	840 U	720 U	740 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	840 U	720 U	740 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	840 U	720 U	740 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	840 U	720 U	740 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	50 J	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	200 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	56 J	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	400 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	46 J	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	61 J	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.33 U	2.38 U	2.31 UJ	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.10	4.40	6.26	4.30
METALS	BERYLLIUM	MG/KG	NS	2	2	0.871	0.950	0.723	0.663
METALS	CADMIUM	MG/KG	NS	39	100	0.582 U	0.595 U	0.577 U	0.556 U
METALS	COPPER	MG/KG	NS	600	600	12.1	11.3	73.9 J	15.5 J
METALS	LEAD	MG/KG	NS	400	600	17.0 J	15.1 J	42.9	5.57
METALS	MERCURY	MG/KG	NS	14	270	0.0333 J	0.0236 J	0.0814 J	0.0150 J
METALS	NICKEL	MG/KG	NS	250	2400	11.7	10.9	10.5 J	12.9 J
METALS	SELENIUM	MG/KG	NS	63	3100	1.36 J	2.38 U	2.31 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.388 J	0.300 J	0.577 U	0.196 J
METALS	THALLIUM	MG/KG	NS	2	2	2.90	2.63	2.31 U	11.1 U
METALS	ZINC	MG/KG	NS	1500	1500	104 J	95.4 J	255 J	166 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	360 UJ	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	360 UJ	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	360 UJ	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	720 UJ	710 UJ	710 U	690 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	360 UJ	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 UJ	7100 UJ	7100 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 UJ	890 UJ	880 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(7.0-7.5) 07/18/06	AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(15.5-16.0) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	48	180	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	48	180	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(6.5-7.0) 07/21/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(3.0-3.5) 07/17/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(8.0-8.5) 07/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 UJ	2800 U	3700 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	820 UJ	700 U	930 U	630 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	820 UJ	700 U	930 U	630 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	820 UJ	700 U	930 U	630 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	200 J	700 U	930 U	630 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	190 U	250 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2300 U	3000 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	190 U	250 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	800	130 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	630	130 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	780	240 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	460	70 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	190 U	250 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	380 U	500 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	710	180 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	190 U	250 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	87 J	250 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	190 U	250 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	350	85 J	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	190 U	250 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	49 J	63 J	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 J	2.27 U	2.96 U	2.12 U
METALS	ARSENIC	MG/KG	NS	20	20	3.78	4.35	5.78	1.73 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.196 J	0.863	0.703 J	0.473 J
METALS	CADMIUM	MG/KG	NS	39	100	0.319 J	0.568 U	0.740 U	0.531 U
METALS	COPPER	MG/KG	NS	600	600	32.7 J	42.3	200	9.18
METALS	LEAD	MG/KG	NS	400	600	7.07	31.9	45.4	2.95
METALS	MERCURY	MG/KG	NS	14	270	0.167	0.121	0.145 J	0.0113 J
METALS	NICKEL	MG/KG	NS	250	2400	18.0 J	10.9	11.1	7.78
METALS	SELENIUM	MG/KG	NS	63	3100	1.54 J	2.27 U	2.96 U	2.12 U
METALS	SILVER	MG/KG	NS	110	4100	0.636 U	0.309 J	0.740 U	0.531 U
METALS	THALLIUM	MG/KG	NS	2	2	2.54 U	2.27 U	2.96 U	2.12 U
METALS	ZINC	MG/KG	NS	1500	1500	186 J	145	135	93.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	340 UJ	450 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	340 UJ	450 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	340 UJ	450 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	790 U	690 UJ	910 UJ	640 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	340 UJ	450 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	150000	180000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7900 U	6900 UJ	9100 UJ	6400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	860 UJ	1100 UJ	800 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	26 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	26 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-29 TP-R-N6-1-29(6.5-7.0) 07/21/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(1.5-2.0) 07/17/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(3.0-3.5) 07/17/06	AREA I STORAGE TP-R-N6-1-3 TP-R-N6-1-3(8.0-8.5) 07/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	26 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	26 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	14 J	19 U	26 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	9.5 J	30	140	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	5.0 J	19 U	26 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	28.5 J	30	140	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-30 TP-R-N6-1-30(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-30 TP-R-N6-1-30(13.5-14.0) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(14.0-14.5) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2700 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	800 U	670 U	680 U	670 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	670 U	680 U	670 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	670 U	680 U	670 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	670 U	680 U	670 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	180 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2200 U	2100 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	180 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	180 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	180 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	180 U	68 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	180 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	180 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	370 U	360 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	180 U	48 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	180 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	180 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	180 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	180 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	180 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	180 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.59 UJ	2.16 UJ	2.14 UJ	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.46 J	1.50 J	4.41	1.54 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.504 J	0.510 J	0.557	0.662
METALS	CADMIUM	MG/KG	NS	39	100	0.646 U	0.540 U	0.535 U	0.542 U
METALS	COPPER	MG/KG	NS	600	600	13.6 J	14.5 J	16.7 J	15.3
METALS	LEAD	MG/KG	NS	400	600	6.46	1.77	13.5	3.07
METALS	MERCURY	MG/KG	NS	14	270	0.0178 J	0.106 U	0.0172 J	0.111 U
METALS	NICKEL	MG/KG	NS	250	2400	9.86 J	6.03 J	7.50 J	9.48
METALS	SELENIUM	MG/KG	NS	63	3100	2.59 U	2.16 U	2.14 U	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	0.646 U	0.540 U	0.535 U	0.267 J
METALS	THALLIUM	MG/KG	NS	2	2	2.59 U	2.16 U	2.14 U	3.54
METALS	ZINC	MG/KG	NS	1500	1500	92.4 J	34.2 J	65.9 J	257 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	330 U	320 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	330 U	320 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	330 U	320 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	780 U	660 U	640 U	680 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	330 U	320 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	130000 U	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7800 U	6600 U	6400 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	830 U	800 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	18 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	18 U	19 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-30 TP-R-N6-1-30(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-30 TP-R-N6-1-30(13.5-14.0) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(14.0-14.5) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	18 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	18 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	19 U	18 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	19 U	18 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	19 U	18 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	19 U	18 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(5.5-6.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(14.5-15.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(7.0-7.5) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2600 U	2700 UJ	4000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	650 U	670 U	1000 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	650 U	670 U	1000 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	650 U	670 U	1000 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	650 U	670 U	1000 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	190 U	250 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2300 U	2300 U	3100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	190 U	250 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	4300	190 U	250 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	3300	190 U	250 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	6700	190 U	250 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	2900	190 U	250 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	190 U	250 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	390 U	380 U	510 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	5000	190 U	250 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	190 U	250 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	680	190 U	250 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	190 U	250 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	2300	190 U	250 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	190 U	250 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	190 U	250 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.40 UJ	2.28 UJ	1.19 J	2.99 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.69	6.73	1.95 J	2.99 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.699	0.531 J	1.06	0.912
METALS	CADMIUM	MG/KG	NS	39	100	0.306 J	0.569 U	0.782	0.244 J
METALS	COPPER	MG/KG	NS	600	600	16.0 J	15.2	16.7	12.4
METALS	LEAD	MG/KG	NS	400	600	12.4	69.7	4.40	12.2
METALS	MERCURY	MG/KG	NS	14	270	0.0494 J	0.0607 J	0.110 U	0.0919 J
METALS	NICKEL	MG/KG	NS	250	2400	13.9 J	8.17	8.79	10.6
METALS	SELENIUM	MG/KG	NS	63	3100	2.40 U	1.20 J	2.26 U	2.99 U
METALS	SILVER	MG/KG	NS	110	4100	0.599 U	0.256 J	0.565 U	0.748 U
METALS	THALLIUM	MG/KG	NS	2	2	2.40 U	1.83 J	2.26 U	2.66 J
METALS	ZINC	MG/KG	NS	1500	1500	434 J	67.7 J	104 J	131 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	350 U	340 U	460 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	350 U	340 U	460 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	350 U	340 U	460 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	750 U	700 U	680 U	920 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	350 U	340 U	460 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 U	140000 U	180000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7500 U	7000 U	6800 U	9200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	940 U	870 U	860 U	1100 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	19 U	26 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	19 U	26 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(5.5-6.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(14.5-15.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(7.0-7.5) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	19 U	26 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	19 U	26 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	19 U	26 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	71	19 U	26 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	20 U	19 U	26 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	71	19 U	26 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(13.5-14.0) 07/24/06	AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(6.5-7.0) 07/24/06	AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2500 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	630 U	670 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	630 U	670 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	630 U	670 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	630 U	670 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	190 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2700 U	2200 U	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	1100	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	91 J	190 U	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	57 J	190 U	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	130 J	190 U	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	49 J	190 U	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	190 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	370 U	420 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	95 J	190 U	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	190 U	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	190 U	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	190 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	54 J	190 U	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	190 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	190 U	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.58 UJ	1.13 J	2.49 UJ	2.28 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.06	1.03 J	2.71	6.28
METALS	BERYLLIUM	MG/KG	NS	2	2	0.841	0.515 J	0.438 J	0.716
METALS	CADMIUM	MG/KG	NS	39	100	0.872	0.544 U	0.420 J	0.569 U
METALS	COPPER	MG/KG	NS	600	600	18.5 J	18.9 J	15.7 J	13.1 J
METALS	LEAD	MG/KG	NS	400	600	138	3.88	8.27	7.51
METALS	MERCURY	MG/KG	NS	14	270	0.155	0.108 U	0.0483 J	0.0265 J
METALS	NICKEL	MG/KG	NS	250	2400	11.7 J	10.0 J	12.4 J	15.2 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.58 U	2.17 U	2.49 U	2.28 U
METALS	SILVER	MG/KG	NS	110	4100	0.645 U	0.259 J	0.623 U	0.231 J
METALS	THALLIUM	MG/KG	NS	2	2	2.58 U	2.17 U	2.49 U	2.28 U
METALS	ZINC	MG/KG	NS	1500	1500	456 J	111 J	312 J	57.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 UJ	340 UJ	370 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 UJ	1200 J	360 J	2100 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 UJ	340 UJ	370 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	800 UJ	670 UJ	750 UJ	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	400 UJ	340 UJ	370 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	130000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8000 UJ	6700 UJ	7500 UJ	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 UJ	840 UJ	940 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 U	19 U	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	19 U	21 U	20 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(13.5-14.0) 07/24/06	AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(6.5-7.0) 07/24/06	AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	19 U	21 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	23 U	19 U	21 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	19 U	21 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 J	19 U	21 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	23 UJ	19 UJ	21 UJ	20 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 J	19 U	21 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(11.5-12.0) 07/24/06	AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2700 U	2800 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	670 U	690 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	670 U	690 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	670 U	690 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	670 U	690 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.19 UJ	2.20 UJ	2.35 UJ	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.17 J	3.87	2.59	3.82
METALS	BERYLLIUM	MG/KG	NS	2	2	0.727	0.907	0.765	0.630
METALS	CADMIUM	MG/KG	NS	39	100	0.547 U	0.551 U	0.588 U	0.555 U
METALS	COPPER	MG/KG	NS	600	600	16.4 J	15.5 J	14.8 J	14.0 J
METALS	LEAD	MG/KG	NS	400	600	3.30	6.02	3.95	7.62
METALS	MERCURY	MG/KG	NS	14	270	0.0189 J	0.0171 J	0.116 U	0.0303 J
METALS	NICKEL	MG/KG	NS	250	2400	9.76 J	12.7 J	9.62 J	12.0 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 U	2.20 U	2.35 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.196 J	0.243 J	0.342 J	0.252 J
METALS	THALLIUM	MG/KG	NS	2	2	2.19 U	2.20 U	2.35 U	2.22 U
METALS	ZINC	MG/KG	NS	1500	1500	73.4 J	53.9 J	63.1 J	61.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	330 UJ	350 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	290 J	710 J	330 J	470 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	330 UJ	350 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 UJ	660 UJ	710 UJ	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	330 UJ	350 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	6600 UJ	7100 UJ	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	830 UJ	880 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(11.5-12.0) 07/24/06	AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 UJ	19 UJ	20 UJ	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3100 U	3000 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	760 U	740 U	850 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	760 U	740 U	850 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	760 U	740 U	850 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	760 U	740 U	850 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	200 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2400 U	2400 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	200 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	200 U	200 U	1100
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	200 U	200 U	910
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	200 U	200 U	2100
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	200 U	200 U	870
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	200 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	390 U	390 U	12000
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	200 U	200 U	1600
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	200 U	200 U	99 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	200 U	200 U	210
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	200 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	200 U	200 U	640
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	200 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	200 U	200 U	400
METALS	ANTIMONY	MG/KG	NS	14	340	2.55 UJ	1.52 J	2.35 UJ	4.27 J
METALS	ARSENIC	MG/KG	NS	20	20	5.22	5.10	3.41	6.75
METALS	BERYLLIUM	MG/KG	NS	2	2	1.63	0.919	1.03	0.595
METALS	CADMIUM	MG/KG	NS	39	100	0.638 U	0.592 U	0.588 U	0.573 U
METALS	COPPER	MG/KG	NS	600	600	34.9 J	8.92 J	18.4 J	61.0 J
METALS	LEAD	MG/KG	NS	400	600	9.68	11.4	6.34	149
METALS	MERCURY	MG/KG	NS	14	270	0.0248 J	0.0436 J	0.0168 J	1.35
METALS	NICKEL	MG/KG	NS	250	2400	23.1 J	10.5 J	13.8 J	15.0 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.55 U	2.37 U	2.35 U	2.28 J
METALS	SILVER	MG/KG	NS	110	4100	0.454 J	0.592 U	0.372 J	0.548 J
METALS	THALLIUM	MG/KG	NS	2	2	2.55 U	2.37 U	2.35 U	2.29 U
METALS	ZINC	MG/KG	NS	1500	1500	133 J	66.3 J	69.7 J	483 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 UJ	360 UJ	350 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1400 J	1700 J	1800 J	200 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 UJ	360 UJ	350 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	780 UJ	710 UJ	710 UJ	720 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 UJ	360 UJ	160 J	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	140000 UJ	140000 UJ	210000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7800 UJ	7100 UJ	7100 UJ	7200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 UJ	890 UJ	880 UJ	900 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	20 U	20 U	410 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	20 U	20 U	410 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	20 U	20 U	410 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	20 U	20 U	410 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	20 U	20 U	410 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	20 U	20 U	900
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 UJ	20 UJ	20 UJ	220 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	20 U	20 U	1120 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3100 U	2800 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	770 U	700 U	660 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	770 U	700 U	660 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	770 U	700 U	660 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	770 U	700 U	660 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	870	370 U	370 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.18 UJ	2.22 U	1.15 J	2.15 U
METALS	ARSENIC	MG/KG	NS	20	20	3.29	4.75	3.34	3.55
METALS	BERYLLIUM	MG/KG	NS	2	2	0.583	0.768	0.760	0.663
METALS	CADMIUM	MG/KG	NS	39	100	0.545 U	0.555 U	0.541 U	0.539 U
METALS	COPPER	MG/KG	NS	600	600	15.5 J	13.6	13.8	14.7
METALS	LEAD	MG/KG	NS	400	600	4.55	7.73 J	6.08 J	3.98 J
METALS	MERCURY	MG/KG	NS	14	270	0.0133 J	0.0155 J	0.106 U	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	10.9 J	11.9	7.97	8.46
METALS	SELENIUM	MG/KG	NS	63	3100	2.18 U	2.22 U	2.16 U	2.15 U
METALS	SILVER	MG/KG	NS	110	4100	0.205 J	0.336 J	0.357 J	0.344 J
METALS	THALLIUM	MG/KG	NS	2	2	2.18 U	3.52	2.41	2.15 U
METALS	ZINC	MG/KG	NS	1500	1500	62.7 J	87.9 J	110 J	78.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	340 UJ	330 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	280 J	340 UJ	330 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	340 UJ	330 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 UJ	670 UJ	670 UJ	650 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	340 UJ	330 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 U	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 UJ	6700 UJ	6700 UJ	6500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 UJ	840 UJ	840 UJ	820 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	19 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 UJ	19 U	19 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(10.5-11.0) 07/18/06	AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2800 U	2800 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	640 U	700 U	690 U	620 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	640 U	700 U	690 U	620 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	640 U	700 U	690 U	620 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	640 U	700 U	690 U	620 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	380 U	360 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.16 U	2.30 U	1.17 J	2.03 U
METALS	ARSENIC	MG/KG	NS	20	20	3.05	5.72	2.93	2.34
METALS	BERYLLIUM	MG/KG	NS	2	2	0.642	0.820	0.590	0.670
METALS	CADMIUM	MG/KG	NS	39	100	0.540 U	0.574 U	0.531 U	0.508 U
METALS	COPPER	MG/KG	NS	600	600	13.2	29.5	12.9	12.9
METALS	LEAD	MG/KG	NS	400	600	4.97 J	37.6 J	3.50 J	4.36 J
METALS	MERCURY	MG/KG	NS	14	270	0.108 U	0.0584 J	0.106 U	0.0112 J
METALS	NICKEL	MG/KG	NS	250	2400	7.94	13.3	6.73	8.77
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 U	2.30 U	2.12 U	2.03 U
METALS	SILVER	MG/KG	NS	110	4100	0.307 J	0.355 J	0.254 J	0.256 J
METALS	THALLIUM	MG/KG	NS	2	2	2.38	3.90	1.66 J	2.12
METALS	ZINC	MG/KG	NS	1500	1500	157 J	87.8 J	68.7 J	37.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	340 UJ	330 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	340 UJ	330 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	340 UJ	330 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 UJ	690 UJ	660 UJ	630 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	340 UJ	330 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 U	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 UJ	6900 UJ	6600 UJ	6300 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 UJ	860 UJ	820 UJ	790 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	19 U	18 U

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(10.5-11.0) 07/18/06	AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	19 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-3

Soil - Analytical Results - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(4.0-4.5) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(8.0-8.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2400 U	2600 U	3100 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	610 U	650 U	760 U	670 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	610 U	650 U	760 U	670 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	610 U	650 U	760 U	670 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	610 U	650 U	760 U	670 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	210 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2500 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	210 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	210 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	210 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	210 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	210 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	210 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	360 U	420 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	210 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	210 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	210 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	210 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	210 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	210 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	210 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 U	2.10 U	2.53 U	2.13 U
METALS	ARSENIC	MG/KG	NS	20	20	2.38	5.76	1.98 J	2.20
METALS	BERYLLIUM	MG/KG	NS	2	2	0.522 J	0.690	0.475 J	0.574
METALS	CADMIUM	MG/KG	NS	39	100	0.532 U	0.525 U	0.633 U	0.532 U
METALS	COPPER	MG/KG	NS	600	600	11.0	13.9	12.4	13.4
METALS	LEAD	MG/KG	NS	400	600	3.95 J	11.7	3.69	2.38
METALS	MERCURY	MG/KG	NS	14	270	0.105 U	0.0551 J	0.0775 J	0.0999 U
METALS	NICKEL	MG/KG	NS	250	2400	8.38	8.86	10.8	8.42
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	2.10 U	2.53 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.247 J	0.288 J	0.633 U	0.532 U
METALS	THALLIUM	MG/KG	NS	2	2	1.96 J	2.10 U	2.53 U	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	82.5 J	44.6	6.30 J	44.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	320 UJ	380 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	320 UJ	380 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	320 UJ	380 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 UJ	650 UJ	760 UJ	640 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	320 UJ	380 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	150000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 UJ	6500 UJ	7600 UJ	6400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 UJ	810 UJ	950 UJ	800 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U

Table B2-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(4.0-4.5) 07/18/06	AREA I STORAGE TP-R-N6-1-9 TP-R-N6-1-9(8.0-8.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 U	22 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	22 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
B = Indicates that the constituent was found in the associated blank
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-J11-03 SB-R-J11-03(0.5-1.0) 03/22/06	AREA I B-LINE SB-R-K10-02 SB-R-K10-02(0.5-1.0) 03/30/06	AREA I B-LINE SB-R-K10-04 SB-R-K10-04(0.5-1.0) 04/13/06	AREA I B-LINE SB-R-K11-01 SB-R-K11-01(0.8-1.4) 03/22/06	AREA I B-LINE SB-R-K11-03 SB-R-K11-03(0.5-1.0) 03/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 J	-	-	100 J	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.58	2.23 J	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	150000 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-L11-02 SB-R-L11-02(0.5-1.0) 03/23/06	AREA I B-LINE SB-R-L11-03 SB-R-L11-03(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M10-01 SB-R-M10-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M9-01 SB-R-M9-01(0.5-1.0) 03/29/06	AREA I B-LINE SB-R-M9-02 SB-R-M9-02(0.5-1.0) 03/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	600	-	-	-	156700
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	10000	-	7600 J	41000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	8400	-	6100 J	32000	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	12000	-	7700 J	47000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	4400	-	3400	16000	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	35000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1600	-	1300	6500	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	5400	-	4000 J	20000	-
METALS	ARSENIC	MG/KG	NS	20	20	20.0	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	852	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	130000	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-M9-02 TP-R-M9-02(4.5-5.0) 07/27/06	AREA I B-LINE SB-R-M9-03 SB-R-M9-03(1.5-2.0) 03/30/06	AREA I B-LINE SB-R-M9-05 SB-R-M9-05(0.5-1.0) 04/28/06	AREA I B-LINE SB-R-O8-02 SB-R-O8-02(0.5-1.0) 04/18/06	AREA I B-LINE SB-R-O8-02 SB-R-O8-02(4.0-4.5) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.23 J	2.15 J	2.86	2.99
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1700 J	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M8-04 SB-R0-M8-04(5.0-5.5) 12/21/05	AREA I B-LINE SB-R0-M9-01 SB-R0-M9-01(1.0-1.5) 12/21/05	AREA I B-LINE SB-R0-M9-02 SB-R0-M9-02(0.17-0.67) 12/22/05	AREA I B-LINE SB-R0-M9-03 SB-R0-M9-03(4.0-4.5) 12/22/05	AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(1.5-2.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	87 J	76100	88 J	1793 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	-	32000
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	-	25000
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	-	40000
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	-	15000
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	-	-	-	30000
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	-	-	-	4900
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	-	15000
METALS	ARSENIC	MG/KG	NS	20	20	-	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	-	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	-	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	-	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	-	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R0-M9-10 SB-R0-M9-10(4.5-5.0) 12/22/05
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	100 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
METALS	ARSENIC	MG/KG	NS	20	20	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA
METALS	LEAD	MG/KG	NS	400	600	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-1 TP-R-M8-1-1(2.0-2.5) 07/19/06	AREA I B-LINE TP-R-M8-1-11 TP-R-M8-1-11(1.0-1.5) 07/20/06	AREA I B-LINE TP-R-M8-1-12 TP-R-M8-1-12(4.0-4.5) 07/20/06	AREA I B-LINE TP-R-M8-1-13 TP-R-M8-1-13(0.5-1.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	950
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	3800	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	3200	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	4600	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	1800	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	1900	-	-
METALS	ARSENIC	MG/KG	NS	20	20	21.1	-	-	22.5	-
METALS	BERYLLIUM	MG/KG	NS	2	2	3.32	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	3710	-	737	-
METALS	THALLIUM	MG/KG	NS	2	2	3.54	2.34 J	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	1590	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-16 TP-R-M8-1-16(6.0-6.5) 07/25/06	AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(1.5-2.0) 07/25/06	AREA I B-LINE TP-R-M8-1-17 TP-R-M8-1-17(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	240	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	190 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 J	930 J	-	2800 J	810 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	84000 J	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	1200 J	-	690	-	1300 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
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Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-18 TP-R-M8-1-18(4.5-5.0) 07/25/06	AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-19 TP-R-M8-1-19(3.5-4.0) 07/25/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-2 TP-R-M8-1-2(4.0-4.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	100 J	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	8.12 J	-	2.42
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	4100 J	600 J	3500 J	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-20 TP-R-M8-1-20(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-21 TP-R-M8-1-21(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(1.0-1.5) 07/25/06	AREA I B-LINE TP-R-M8-1-22 TP-R-M8-1-22(4.0-4.5) 07/25/06	AREA I B-LINE TP-R-M8-1-23 TP-R-M8-1-23(1.5-2.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	-	-	-	-	-
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	360	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	446	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	1820	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	550 J	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	140 J	-	2000 J	720 J	150 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE TP-R-M8-1-6 TP-R-M8-1-6(0.5-1.0) 07/19/06	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(1.0-1.5) 07/19/06	AREA I B-LINE TP-R-M8-1-8 TP-R-M8-1-8(4.0-4.5) 07/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	-	2000	1600
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	1500	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	2400 J	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	9400 J	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	3700 J	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	1200 J	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	2700 J	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	BERYLLIUM	MG/KG	NS	2	2	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	58000 J	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(1.0-1.5) 04/07/06	AREA I DEVELOPMENT SB-R-H6-01 SB-R-H6-01(5.0-5.5) 04/07/06	AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-H6-02 SB-R-H6-02(2.0-2.5) 04/19/06	AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(0.5-1.0) 04/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	90 J	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	3.24	2.16	2.26	4.39
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-H7-01 SB-R-H7-01(4.5-5.0) 04/07/06	AREA I DEVELOPMENT SB-R-H7-02 SB-R-H7-02(4.5-5.0) 04/07/06	AREA I DEVELOPMENT SB-R-I6-02 SB-R-I6-02(0.5-1.0) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(1.0-1.5) 04/19/06	AREA I DEVELOPMENT SB-R-I6-04 SB-R-I6-04(4.0-4.5) 04/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	470	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	706	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	3.01	2.85	-	3.62	2.15
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-I7-02 SB-R-I7-02(4.0-4.5) 04/07/06	AREA I DEVELOPMENT SB-R-J6-01 SB-R-J6-01(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-J6-02 SB-R-J6-02(4.0-4.5) 04/20/06	AREA I DEVELOPMENT SB-R-J6-03 SB-R-J6-03(1.0-1.5) 04/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	560	220000	26000	710
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	932
METALS	LEAD	MG/KG	NS	400	600	-	-	610	-	4660
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	30.5
METALS	THALLIUM	MG/KG	NS	2	2	2.73	-	-	2.05 J	2.58
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	280 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
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SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-K6-01 SB-R-K6-01(0.5-1.0) 04/20/06	AREA I DEVELOPMENT SB-R-L5-01 SB-R-L5-01(0.5-1.0) 04/21/06	AREA I DEVELOPMENT SB-R-L5-02 SB-R-L5-02(1.5-2.0) 04/21/06	AREA I DEVELOPMENT SB-R-L6-02 SB-R-L6-02(0.5-1.0) 04/13/06	AREA I DEVELOPMENT SB-R-L6-03 SB-R-L6-03(0.5-1.0) 04/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	20.4	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.33	2.83	2.23 J	-	2.32 J
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(1.0-1.5) 04/21/06	AREA I DEVELOPMENT SB-R-L6-04 SB-R-L6-04(5.0-5.5) 04/21/06	AREA I DEVELOPMENT SB-R-L7-02 SB-R-L7-02(4.0-4.5) 04/13/06	AREA I DEVELOPMENT TP-R-K5-1-1 TP-R-K5-1-1(1.5-2.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-2 TP-R-K5-1-2(1.5-2.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	1100 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	6800	8400
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	6700	6200
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	10000	9200
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	3400	3000
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	1600 J	1600 J
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	4400	3900
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	37.2 J	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	378	229
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	3890	2990
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	55.3 J	44.0 J
METALS	THALLIUM	MG/KG	NS	2	2	2.42	2.43	2.39	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	6740 J	8180 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	2800	6900

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-1-3 TP-R-K5-1-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-4 TP-R-K5-1-4(1.0-1.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-1-5 TP-R-K5-1-5(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-1 TP-R-K5-2-1(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(0.5-1.0) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1100 J	-	2900	-	20000
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	3400	42000	6600	1300 J	3000
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	3100	37000	5700	3200	2000
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	5000	48000	8000	3400	3300
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1700 J	19000	3500	990 J	1500
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	38000	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	820 J	6500	1400	3100	740 J
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	2300	23000	3700	3300	1800
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	18.7 J	-	-
METALS	ARSENIC	MG/KG	NS	20	20	168	30.4	207	-	20.7
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	12100	-	-	6640
METALS	LEAD	MG/KG	NS	400	600	2570	2670	2820	863	2320
METALS	MERCURY	MG/KG	NS	14	270	167 J	81.8	50.9	-	197 J
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	5450 J	6920 J	9150 J	-	3190 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	270 J	290 J	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	1100	-	-	-	550

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(11.0-11.5) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-2 TP-R-K5-2-2(5.5-6.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(0.5-1.0) 07/27/06	AREA I DEVELOPMENT TP-R-K5-2-3 TP-R-K5-2-3(9.0-9.5) 07/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	4000	650 J	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	1200	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	1300	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	890 J	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	1000 J	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	31.7 J	831 J	-
METALS	ARSENIC	MG/KG	NS	20	20	-	28.0	260	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	105	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	2010	98500	811
METALS	MERCURY	MG/KG	NS	14	270	-	48.2 J	19.8 J	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	4.07	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	42000 J	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-K5-2-4 TP-R-K5-2-4(6.0-6.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-1 TP-R-M5-3-1(1.5-2.0) 07/20/06	AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(1.0-1.5) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	190 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	960
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	839 J	-	-	-
METALS	LEAD	MG/KG	NS	400	600	588	641	611	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	160 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-11 TP-R-M5-3-11(4.5-5.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-12 TP-R-M5-3-12(1.5-2.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-13 TP-R-M5-3-13(1.5-2.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(0.5-1.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	140 J	-	18000	280
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	2300	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	2800	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	3900	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1800	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	710	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	2000	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	70.5	35.9
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	1050	-
METALS	LEAD	MG/KG	NS	400	600	-	-	1250	1840
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	2650	1660
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	500 J	400 J	210 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	280000 J	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	3800 J	3600 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(13.0-13.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-14 TP-R-M5-3-14(6.5-7.0) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-15 TP-R-M5-3-15(1.0-1.5) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-16 TP-R-M5-3-16(1.5-2.0) 07/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	550
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	43.3 J
METALS	ARSENIC	MG/KG	NS	20	20	-	-	108	116
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	78.6
METALS	COPPER	MG/KG	NS	600	600	-	-	1090 J	3260 J
METALS	LEAD	MG/KG	NS	400	600	-	-	963	26100
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	4350	3470	175000
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	210 J	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	600 J	2900 J	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	28000000	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	65000	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	4000 J	660	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-17 TP-R-M5-3-17(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-18 TP-R-M5-3-18(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-19 TP-R-M5-3-19(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-2 TP-R-M5-3-2(1.0-1.5) 07/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	30000	210	1500	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1100 J	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	25.1 J	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	70.4	29.8	-	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	1570 J	-	-	-
METALS	LEAD	MG/KG	NS	400	600	7500	753	2300	618
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	68500	2060	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 J	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	190 J	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	10000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	4700 J	1900 J	1180 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-20 TP-R-M5-3-20(9.5-10.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-21 TP-R-M5-3-21(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(1.0-1.5) 07/25/06	AREA I DEVELOPMENT TP-R-M5-3-22 TP-R-M5-3-22(4.5-5.0) 07/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	51000	15000	2800	100 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	950 J	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	540000 J	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	1360	672	668	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	89000	-	77000 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	1810	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-23 TP-R-M5-3-23(0.5-1.0) 07/26/06	AREA I DEVELOPMENT TP-R-M5-3-3 TP-R-M5-3-3(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-4 TP-R-M5-3-4(0.5-1.0) 07/21/06	AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(4.5-5.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	160000 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-	120000 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	20.1 J
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	67.2
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	806 J	-	1940
METALS	LEAD	MG/KG	NS	400	600	552	-	1060	8630
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.08 J	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	28600 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	350 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	490 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	58000	720	2260

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I DEVELOPMENT TP-R-M5-3-6 TP-R-M5-3-6(8.0-8.5) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(1.5-2.0) 07/24/06	AREA I DEVELOPMENT TP-R-M5-3-9 TP-R-M5-3-9(10.0-10.5) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	100 J	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	-	-	-
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	CADMIUM	MG/KG	NS	39	100	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	31100	2520
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-I10-03 SB-R-I10-03(0.5-1.0) 04/03/06	AREA I FINISHING SB-R-I7-01 SB-R-I7-01(4.5-5.0) 04/07/06	AREA I FINISHING SB-R-I7-04 SB-R-I7-04(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-I8-04 SB-R-I8-04(0.5-1.0) 04/06/06	AREA I FINISHING SB-R-I9-02 SB-R-I9-02(4.0-4.5) 04/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	6787	7600	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	700	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	2300	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	1200	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.29	5.78	-	-	2.28 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	660	23000	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	76000	130000	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I FINISHING SB-R-J7-02 SB-R-J7-02(0.5-1.0) 04/11/06	AREA I FINISHING SB-R-J8-01 SB-R-J8-01(0.75-1.25) 04/04/06	AREA I FINISHING SB-R-J9-01 SB-R-J9-01(1.0-1.5) 04/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	300	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	97.8	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.06 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 J	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	120000	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	1200	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-I11-02 SB-R-I11-02(0.83-1.33) 03/31/06	AREA I STORAGE SB-R-I11-02 SB-R-I11-02(2.0-2.5) 03/31/06	AREA I STORAGE SB-R-J10-02 SB-R-J10-02(2.17-2.67) 03/31/06	AREA I STORAGE SB-R-J11-04 SB-R-J11-04(1.0-1.5) 03/31/06	AREA I STORAGE SB-R-K8-03 SB-R-K8-03(0.5-1.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	2100	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	77.6	60.6	-	79.1	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.30 J	-	3.42
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface

SVOCS = Semi-volatile organic constituents

E&E = Explosive and energetic constituents

PCBS = Polychlorinated biphenyls

IGWSCC = Impact to groundwater soil cleanup criteria

RDCSCC = Residential direct contact soil cleanup criteria

NRDCSCC = Non-residential direct contact soil cleanup criteria

NS = No standard

SB = Soil boring

J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC

Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-K9-03 SB-R-K9-03(0.5-1.0) 04/05/06	AREA I STORAGE SB-R-K9-04 SB-R-K9-04(0.5-1.0) 04/05/06	AREA I STORAGE SB-R-L8-01 SB-R-L8-01(0.5-1.0) 03/30/06	AREA I STORAGE SB-R-L8-02 SB-R-L8-02(0.5-1.0) 04/06/06	AREA I STORAGE SB-R-L8-02 SB-R-L8-02(4.5-5.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	278	39.3	70.1	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.28 J	-	2.93	3.21
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface

SVOCS = Semi-volatile organic constituents

E&E = Explosive and energetic constituents

PCBS = Polychlorinated biphenyls

IGWSCC = Impact to groundwater soil cleanup criteria

RDCSCC = Residential direct contact soil cleanup criteria

NRDCSCC = Non-residential direct contact soil cleanup criteria

NS = No standard

SB = Soil boring

J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC

Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-L8-03 SB-R-L8-03(4.0-4.5) 04/06/06	AREA I STORAGE SB-R-L8-04 SB-R-L8-04(0.5-1.0) 04/12/06	AREA I STORAGE SB-R-L9-02 SB-R-L9-02(1.0-1.5) 03/30/06	AREA I STORAGE SB-R-M7-03 SB-R-M7-03(0.75-1.25) 04/27/06	AREA I STORAGE SB-R-M8-01 SB-R-M8-01(0.5-1.0) 04/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	1600	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	1800	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	2000	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	3300	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	1200	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	1700	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	4.05	-	2.08 J	-	2.80
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-M8-01 SB-R-M8-01(4.5-5.0) 04/06/06	AREA I STORAGE SB-R-N7-01 SB-R-N7-01(0.5-1.0) 04/17/06	AREA I STORAGE SB-R-N7-03 SB-R-N7-03(1.0-1.5) 04/27/06	AREA I STORAGE SB-R-O7-01 SB-R-O7-01(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-O7-01 SB-R-O7-01(2.5-3.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	35.8	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	3.40	2.21 J	-	2.45	3.08
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface

SVOCS = Semi-volatile organic constituents

E&E = Explosive and energetic constituents

PCBS = Polychlorinated biphenyls

IGWSCC = Impact to groundwater soil cleanup criteria

RDCSCC = Residential direct contact soil cleanup criteria

NRDCSCC = Non-residential direct contact soil cleanup criteria

NS = No standard

SB = Soil boring

J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC

Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-07-02 SB-R-07-02(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-07-03 SB-R-07-03(1.0-1.5) 04/18/06	AREA I STORAGE SB-R-07-03 SB-R-07-03(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-07-04 SB-R-07-04(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-07-04 SB-R-07-04(4.0-4.5) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	22.3	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.30 J	2.50	2.47	2.53	2.06 J
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface

SVOCS = Semi-volatile organic constituents

E&E = Explosive and energetic constituents

PCBS = Polychlorinated biphenyls

IGWSCC = Impact to groundwater soil cleanup criteria

RDCSCC = Residential direct contact soil cleanup criteria

NRDCSCC = Non-residential direct contact soil cleanup criteria

NS = No standard

SB = Soil boring

J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC

Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P6-01 SB-R-P6-01(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P6-01 SB-R-P6-01(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P6-03 SB-R-P6-03(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-P7-01 SB-R-P7-01(2.5-3.0) 04/18/06	AREA I STORAGE SB-R-P7-02 SB-R-P7-02(0.5-1.0) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	900	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.44	2.12	2.26 J	2.85	2.67
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-P7-02 SB-R-P7-02(4.0-4.5) 04/18/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(0.5-1.0) 04/18/06	AREA I STORAGE SB-R-P7-03 SB-R-P7-03(4.0-4.5) 04/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.68	2.84	3.12
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface

SVOCS = Semi-volatile organic constituents

E&E = Explosive and energetic constituents

PCBS = Polychlorinated biphenyls

IGWSCC = Impact to groundwater soil cleanup criteria

RDCSCC = Residential direct contact soil cleanup criteria

NRDCSCC = Non-residential direct contact soil cleanup criteria

NS = No standard

SB = Soil boring

J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC

Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SB-R-R6-01 SB-R-R6-01(1.0-1.5) 04/25/06	AREA I STORAGE SB-R-R7-01 SB-R-R7-01(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(0.5-1.0) 04/25/06	AREA I STORAGE SB-R-R7-02 SB-R-R7-02(2.0-2.5) 04/24/06	AREA I STORAGE TP-R-J10-2166-1 TP-R-J10-2166-1(1.5-2.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	490
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	990	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	NA
METALS	ARSENIC	MG/KG	NS	20	20	-	56.1 J	42.4 J	29.4 J	NA
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	NA
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	NA
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.25 J	-	-	-	NA
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-J10-2166-2 TP-R-J10-2166-2(1.5-2.0) 07/31/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-11 TP-R-N6-1-11(4.0-4.5) 07/19/06	AREA I STORAGE TP-R-N6-1-15 TP-R-N6-1-15(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-16 TP-R-N6-1-16(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1300	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	NA	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	-	41.5	-	-
METALS	COPPER	MG/KG	NS	600	600	NA	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	NA	-	491	584	-
METALS	MERCURY	MG/KG	NS	14	270	NA	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	2.13 J	4.52	-	2.36
METALS	ZINC	MG/KG	NS	1500	1500	NA	-	1800	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(1.5-2.0) 07/19/06	AREA I STORAGE TP-R-N6-1-18 TP-R-N6-1-18(8.5-9.0) 07/19/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(3.0-3.5) 07/18/06	AREA I STORAGE TP-R-N6-1-19 TP-R-N6-1-19(9.0-9.5) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.68	2.18 J	2.62	2.06 J	2.50
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(10.0-10.5) 07/20/06	AREA I STORAGE TP-R-N6-1-20 TP-R-N6-1-20(19.5-20.0) 07/20/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-21 TP-R-N6-1-21(9.5-10.0) 07/18/06	AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(1.5-2.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	23.5	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.10 J	3.08	-	2.38 J	2.15 J
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-22 TP-R-N6-1-22(4.5-5.0) 07/20/06	AREA I STORAGE TP-R-N6-1-23 TP-R-N6-1-23(5.5-6.0) 07/18/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(13.5-14.0) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(2.0-2.5) 07/20/06	AREA I STORAGE TP-R-N6-1-24 TP-R-N6-1-24(4.5-5.0) 07/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	27.1 J
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	45000
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	703
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	3.00	2.05 J	3.18	2.10 J	2.87
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	6770 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	3000

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-25 TP-R-N6-1-25(20.5-21.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(1.5-2.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(16.5-17.0) 07/20/06	AREA I STORAGE TP-R-N6-1-26 TP-R-N6-1-26(5.5-6.0) 07/20/06	AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	35.1	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	3.64	2.97	2.53	-	2.90
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-28 TP-R-N6-1-28(7.0-7.5) 07/18/06	AREA I STORAGE TP-R-N6-1-31 TP-R-N6-1-31(14.0-14.5) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(1.5-2.0) 07/21/06	AREA I STORAGE TP-R-N6-1-32 TP-R-N6-1-32(7.0-7.5) 07/21/06	AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(13.5-14.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	1100
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	4300	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	3300	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	6700	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	2900	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	680	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	2300	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.63	3.54	-	2.66 J	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-	1200 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-33 TP-R-N6-1-33(6.5-7.0) 07/24/06	AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-34 TP-R-N6-1-34(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-35 TP-R-N6-1-35(11.5-12.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 J	2100 J	290 J	710 J	330 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-36 TP-R-N6-1-36(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(1.5-2.0) 07/24/06	AREA I STORAGE TP-R-N6-1-37 TP-R-N6-1-37(12.5-13.0) 07/24/06	AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(1.5-2.0) 07/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	1100
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	910
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	2100
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	470 J	1400 J	1700 J	1800 J	200 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	1120 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-38 TP-R-N6-1-38(15.5-16.0) 07/24/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(1.5-2.0) 07/18/06	AREA I STORAGE TP-R-N6-1-4 TP-R-N6-1-4(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-6 TP-R-N6-1-6(8.0-8.5) 07/18/06	AREA I STORAGE TP-R-N6-1-7 TP-R-N6-1-7(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	3.52	2.41	2.38	3.90
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	280 J	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-4

Soil - Exceedance Summary - Area I
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE TP-R-N6-1-8 TP-R-N6-1-8(1.5-2.0) 07/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
METALS	ANTIMONY	MG/KG	NS	14	340	-
METALS	ARSENIC	MG/KG	NS	20	20	-
METALS	COPPER	MG/KG	NS	600	600	-
METALS	LEAD	MG/KG	NS	400	600	-
METALS	MERCURY	MG/KG	NS	14	270	-
METALS	THALLIUM	MG/KG	NS	2	2	2.12
METALS	ZINC	MG/KG	NS	1500	1500	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B2-5

Soil - Incomplete Horizontal Delineation - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Former Operational Area	Location ID	Field Sample ID	Analytical Group	RDCSCC Exceedance	NRDCSCC Exceedance	IGWSCC Exceedance
AREA I	B-LINE	M11-3-03	SB-M11-3-03(0.0-0.5)	METALS	Y	-	-
AREA I	MISCELLANEOUS/OFFSITE	M11-8606-03	SB-M11-8606-03(0.0-1.0)	METALS	Y	Y	-
AREA I	STORAGE	SB-R-R6-01	SB-R-R6-01(1.0-1.5)	METALS	Y	Y	-
AREA I	STORAGE	SB-R-R7-01	SB-R-R7-01(0.5-1.0)	METALS	Y	Y	-
AREA I	STORAGE	SB-R-R7-02	SB-R-R7-02(0.5-1.0)	METALS	Y	Y	-
AREA I	B-LINE	M11-3-03	SB-M11-3-03(0.0-0.5)	SVOCS	Y	Y	-
AREA I	MISCELLANEOUS/OFFSITE	M11-8606-03	SB-M11-8606-03(0.0-1.0)	SVOCS	Y	Y	-
AREA I	STORAGE	S7-1-01	SB-S7-1-01(0.0-1.5)	SVOCS	Y	Y	-
AREA I	STORAGE	SB-R-R7-01	SB-R-R7-01(0.5-1.0)	SVOCS	Y	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TP = Test pit
Y = Horizontal sample was identified by laboratory analysis at concentrations exceeding the RDCSCC, NRDCSCC, or IGWSCC for analytical group indicated on table

Table B2-6

Soil - Incomplete Vertical Delineation - Area I
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Former Operational Area	Location ID	Field Sample ID	Analytical Group	RDCSCC Exceedance	NRDCSCC Exceedance	IGWSCC Exceedance
AREA I	B-LINE	TP-R-M8-1-8	TP-R-M8-1-8(4.0-4.5)	VOCS	-	-	Y
AREA I	B-LINE	SB-R0-M9-03	SB-R0-M9-03(4.0-4.5)	SVOCS	-	-	Y
AREA I	B-LINE	SB-R0-M9-10	SB-R0-M9-10(4.5-5.0)	SVOCS	-	-	Y
AREA I	DEVELOPMENT	TP-R-K5-2-2	TP-R-K5-2-2(11.0-11.5)	SVOCS	Y	-	Y
AREA I	DEVELOPMENT	TP-R-M5-3-11	TP-R-M5-3-11(4.5-5.0)	SVOCS	Y	Y	Y
AREA I	DEVELOPMENT	TP-R-M5-3-20	TP-R-M5-3-20(9.5-10.0)	SVOCS	Y	Y	Y
AREA I	DEVELOPMENT	TP-R-M5-3-6	TP-R-M5-3-6(8.0-8.5)	SVOCS	-	-	Y
AREA I	STORAGE	TP-R-N6-1-33	TP-R-N6-1-33(13.5-14.0)	SVOCS	Y	-	Y
AREA I	B-LINE	TP-R-M8-1-19	TP-R-M8-1-19(3.5-4.0)	METALS	Y	Y	-
AREA I	B-LINE	TP-R-M8-1-2	TP-R-M8-1-2(4.0-4.5)	METALS	Y	Y	-
AREA I	DEVELOPMENT	TP-R-M5-3-20	TP-R-M5-3-20(9.5-10.0)	METALS	Y	Y	-
AREA I	DEVELOPMENT	TP-R-M5-3-9	TP-R-M5-3-9(10.0-10.5)	METALS	Y	Y	-
AREA I	STORAGE	SB-R-J10-02	SB-R-J10-02(2.17-2.67)	METALS	Y	Y	-
AREA I	STORAGE	SB-R-O7-01	SB-R-O7-01(2.5-3.0)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-19	TP-R-N6-1-19(9.0-9.5)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-20	TP-R-N6-1-20(19.5-20.0)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-21	TP-R-N6-1-21(9.5-10.0)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-24	TP-R-N6-1-24(13.5-14.0)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-25	TP-R-N6-1-25(20.5-21.0)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-26	TP-R-N6-1-26(16.5-17.0)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-28	TP-R-N6-1-28(7.0-7.5)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-31	TP-R-N6-1-31(14.0-14.5)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-4	TP-R-N6-1-4(8.0-8.5)	METALS	Y	Y	-
AREA I	STORAGE	TP-R-N6-1-6	TP-R-N6-1-6(8.0-8.5)	METALS	Y	Y	-
AREA I	B-LINE	SB-R-M9-02	TP-R-M9-02(4.5-5.0)	E&E	-	-	Y
AREA I	B-LINE	TP-R-M8-1-16	TP-R-M8-1-16(6.0-6.5)	E&E	-	-	Y
AREA I	B-LINE	TP-R-M8-1-17	TP-R-M8-1-17(4.0-4.5)	E&E	-	-	Y
AREA I	B-LINE	TP-R-M8-1-18	TP-R-M8-1-18(4.5-5.0)	E&E	-	-	Y
AREA I	B-LINE	TP-R-M8-1-19	TP-R-M8-1-19(3.5-4.0)	E&E	-	-	Y
AREA I	B-LINE	TP-R-M8-1-22	TP-R-M8-1-22(4.0-4.5)	E&E	-	-	Y
AREA I	DEVELOPMENT	TP-R-M5-3-14	TP-R-M5-3-14(13.0-13.5)	E&E	-	-	Y
AREA I	STORAGE	TP-R-N6-1-33	TP-R-N6-1-33(13.5-14.0)	E&E	-	-	Y
AREA I	STORAGE	TP-R-N6-1-34	TP-R-N6-1-34(12.5-13.0)	E&E	-	-	Y
AREA I	STORAGE	TP-R-N6-1-35	TP-R-N6-1-35(11.5-12.0)	E&E	-	-	Y
AREA I	STORAGE	TP-R-N6-1-36	TP-R-N6-1-36(15.5-16.0)	E&E	-	-	Y
AREA I	STORAGE	TP-R-N6-1-37	TP-R-N6-1-37(12.5-13.0)	E&E	-	-	Y
AREA I	STORAGE	TP-R-N6-1-38	TP-R-N6-1-38(15.5-16.0)	E&E	-	-	Y

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface

VOCS = Volatile organic constituents

SVOCS = Semi-volatile organic constituents

E&E = Explosive and energetic constituents

IGWSCC = Impact to groundwater soil cleanup criteria

RDCSCC = Residential direct contact soil cleanup criteria

NRDCSCC = Non-residential direct contact soil cleanup criteria

SB = Soil boring

TP = Test pit

Y = Maximum vertical sample was identified by laboratory analysis at concentrations exceeding the RDCSCC, NRDCSCC, or IGWSCC for analytical group indicated on table

Table B3-1

Soil - AOCs Reserved for the RI - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Operational Area	AOC Designation	Name	Description	Justification for Reserving the AOCs for the RI	Proposed Analytical Requirements*	Analytical Group Added due to Field Observations**
Area II	Dynamite	C13-666	Refined Graining House	Completely dismantled; TNT chunks scattered around ground.	Reserved for Remedial Investigation due to the presence of TNT on the ground, based on Phase I - Site Investigation Field Observatio	SVOCs, E&E	-
Area II	NG	C11-8572C	Storage Shed	Currently existing structure; aluminum sided with large loading/unloading door on E side; associated with nearby catch tank; contains old hoses for pumps. No evidence of release.	Reserved for Remedial Investigation due to the presence of Group B explosives detected using an Expray Test Kit, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area II	NG	C11-8572D	Instrument Room	Small shed with a meter that monitored the catch tank; aluminum siding. No evidence of release.	Reserved for Remedial Investigation due to the presence of Group B explosives detected using an Expray Test Kit, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area II	NG	D11-2031	DNT Heater House	Intact brick structure with elevated walkway; immediate area is vegetated; doesn't appear to be any vegetative impacts.	Reserved for Remedial Investigation due to the presence of DNT, based on Phase I - Site Investigation Field Observatio	SVOCs	-
Area II	TNT	A11-2	Mixed Acid Storage #3	Mixed Acid Storage # 3 50-60 ft. E of A11-7; contains tank cradles and a lower level for tank storage; pipe in S foundation; no stressed vegetation (area 900 sq. ft.).	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals	-
Area II	TNT	A11-4	Acid Fortifier #2	Rectangular, overgrown foundation with catch tank on N side; NW corner has transite piping and vessels; no environmental impacts.	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals	E&E
Area II	TNT	A11-5	Bi/Trinitrator #2	Old, overgrown foundation with pipes going into the ground at each corner; no stressed vegetation.	Reserved for Remedial Investigation due to the presence of lead and E&E materials, based on Roux's TNT Area Site Investigatio	SVOCs, Metals, E&E	-
Area II	TNT	A11-504	Weak Acid Storage Tanks	Weak Acid Storage Tank; several old pits along E side of former bldg. Possibly catch tanks.	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals	SVOCs, E&E
Area II	TNT	A11-7	Nitric Acid Storage #2	Concrete footers overgrown; two small areas less than 10 ft. in diameter of stressed vegetation approximately 15 ft. from footers SE stressed vegetation; contained lead; both have slag present.	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals	E&E
Area II	TNT	A12-1	TNT in Soil	Small area S of A11-6; numerous chunks of TNT measuring several inches across; discarded terra cotta pipe and overturned soils (area 300 sq. ft.).	Reserved for Remedial Investigation due to the presence of TNT chunks on the ground, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area II	TNT	A12-426	Block Breaker	Bldg. demolished; adjacent to rail spur some brick present, but mostly a concrete foundation; rail spur overgrown.	A subsurface layer of NC was found along the SW corner of the foundation during screening activities. This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observatio	SVOCs, E&E	-
Area II	TNT	A13-625	Filter House #2	Thermally decontaminated building with half of former berm destroyed; metal debris remaining; no stressed vegetation	Reserved for Remedial Investigation due to the presence of E&E materials, based on Roux's TNT Area Site Investigation	SVOCs, E&E	-
Area II	TNT	B10-2	TNT in Soil	Piles of dirt that contain waste TNT; not much vegetation in area; appears to radiate out from unknown structure, possibly a catch tank to the north.	Reserved for Remedial Investigation due to the presence of arsenic and E&E materials, based on Roux's TNT Area Site Investigation	SVOCs, Metals, E&E	-
Area II	TNT	B10-5	Possible Catch Tank for B10-508/B10-509	Three small concrete foundations covered with burnt wood; pipes from bldgs. 508 and 509 aimed toward this building; potential for stressed vegetation.	Group A E&E materials were found at this location using an Expray Test Kit. This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	
Area II	TNT	B10-501	Nitric Acid Storage #1	Nitric Acid Storage Tanks; bldg. was burnt; bldg. very degraded probably from acid; no vegetation in interior of bldg; process pipes and foundation not intact.	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals	-
Area II	TNT	B10-502	Mixed Acid Storage Tanks #1	Mixed Acid Storage Tanks; metal debris and drums present; thermally decontaminated pipes not intact; overgrown	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals	-

Table B3-1

Soil - AOCs Reserved for the RI - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Operational Area	AOC Designation	Name	Description	Justification for Reserving the AOCs for the RI	Proposed Analytical Requirements*	Analytical Group Added due to Field Observations**
Area II	TNT	B10-505	Acid Fortifier	Overgrown foundation of Acid Fortifying House thermally decontaminated; pipes inside bldg.	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals	SVOCs, E&E
Area II	TNT	B10-508	Bi/Trinitrator #1	Binitrator bldg. burnt; large amount of debris and piping in center of bldg.; E of SE corner is left over brine coils.	Reserved for Remedial Investigation due to the presence of lead and E&E materials, based on Roux's TNT Area Site Investigator	SVOCs, Metals, E&E	-
Area II	TNT	B10-509	Neutralizer/Pelletizer #1	Neutralizer/Pelletizer Bldg. has very high berms; piping and machinery in bldg.; vegetated.	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	SVOCs, Metals, E&E	-
Area II	TNT	B10-6	TNT in Soil	Small area 25 ft. S-SE of bldg. 508 with stressed vegetation; one piece of TNT found here; more possible.	Reserved for Remedial Investigation due to the presence of arsenic and E&E materials, based on Roux's TNT Area Site Investigator	SVOCs, Metals, E&E	-
Area II	TNT	B12-1	Perchlorate Grinder	Undocumented structure very similar to Perchlorate Grinder; two large concrete foundations and a few pieces of old metal. No evidence of environmental impact (area 400 sq. ft.).	Group A E&E materials were found at this location using an Expray Test Kit. This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area II	TNT	B12-234	Filter House #1 Sump	Rectangular shaped sump house for Filter House # 1; pit filled with water; no stressed vegetation.	Reserved for Remedial Investigation due to the presence of E&E materials, based on Roux's TNT Area Site Investigation	SVOCs, E&E	-
Area II	TNT	B13-1	Settling Pond	Depressed area with a ditch entering from NW ditch originated at A13-625 Filter House # 2; 8-12 inch terra cotta pipe enters from the W possibly from A13-7543 Filter House # 3 area of brown stressed vegetation.	Reserved for Remedial Investigation due to the presence of beryllium, lead and thallium, based on Roux's TNT Area Site Investigation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area II	TNT	B13-2	Gravel Pit	Center of stressed vegetation; gravel pit (perimeter=800 ft).	This AOC was reserved for the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area II	TNT	C10-439	Weak Acid Storage Tanks	Old foundation; recently cleared here; slight stressed vegetation on W side of ground; internal catch basin associated with tank cradles; several small pipes.	Reserved for Remedial Investigation due to the presence of lead, based on Roux's TNT Area Site Investigation	Metals	-

Notes:

AC = Air conditioning
AOC = Area of concern
AST = Aboveground storage tank
Bldg = Building
DIGL-RIP = Stick propellant
E&E = Explosive and energetic
EQ = Equilization tank
FID = Flame-ionization detector
Gal = Gallon
HVAC = Heating ventilation/air conditioning
IRM = Interim remedial measure
NA = Not applicable

NC = Nitrocellulose
NG = Nitroglycerin
No. = Number
PETN = Pentaerythritol tetranitrate
PID = Photoionization detector
PPM = Parts per million
PVC = Polyvinyl chloride
RR = Railroad
Sq Ft = Square Foot
SS = Stainless steel
SV = Stressed vegetation
TNT = 2,4,6-Trinitrotoluene

WWTP = Wastewater treatment plant
XRF = X-ray fluorescence

~ = Approximately
` = Foot
" = Inch
? = Unknown

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

*In the event field observations indicated the presence of an analytical group within a sample interval which was not specified in the SI, the analytical group was added to the analytical requirements for that sample.
**Refer to Appendix B - Soil Boring Logs for field observations made during the RI.

Table B3-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	DYNAMITE	Grid-Based	R-034	SB-R-B13-01	SB-R-B13-01(0.5-1.0)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-034	SB-R-B13-01	SB-R-B13-01(2.0-2.5)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-031	SB-R-B13-03	SB-R-B13-03(0.5-1.0)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-031	SB-R-B13-03	SB-R-B13-03(2.0-2.5)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-038	SB-R-B14-01	SB-R-B14-01(0.83-1.33)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-038	SB-R-B14-01	SB-R-B14-01(4.0-4.5)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-041	SB-R-B14-04	SB-R-B14-04(0.5-1.0)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-041	SB-R-B14-04	SB-R-B14-04(4.0-4.5)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-040	SB-R-C12-01	SB-R-C12-01(0.5-1.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-040	SB-R-C12-01	SB-R-C12-01(4.5-5.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-054	SB-R-C12-04	SB-R-C12-04(0.5-1.0)	06/06/06	X	X	X	X	X	-	Y	Y	-	-
AREA II	DYNAMITE	Grid-Based	R-054	SB-R-C12-04	SB-R-C12-04(4.0-4.5)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-060	SB-R-C13-01	SB-R-C13-01(0.83-1.33)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-060	SB-R-C13-01	SB-R-C13-01(4.25-4.75)	05/18/06	X	X	X	X	X	-	-	Y	-	-
AREA II	DYNAMITE	Grid-Based	R-060	SB-R-C13-01	TP-R-C13-01(8.25-8.75)	08/09/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-047	SB-R-C13-02	SB-R-C13-02(0.5-1.0)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-047	SB-R-C13-02	SB-R-C13-02(2.5-3.0)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-058	SB-R-C13-03	SB-R-C13-03(0.5-1.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-058	SB-R-C13-03	SB-R-C13-03(5.0-5.5)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-044	SB-R-C13-04	SB-R-C13-04(0.5-1.0)	06/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-044	SB-R-C13-04	SB-R-C13-04(4.5-5.0)	06/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-063	SB-R-C14-01	SB-R-C14-01(0.5-1.0)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-063	SB-R-C14-01	SB-R-C14-01(2.0-2.5)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-050	SB-R-C14-02	SB-R-C14-02(0.75-1.25)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-050	SB-R-C14-02	SB-R-C14-02(4.0-4.5)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-053	SB-R-C14-03	SB-R-C14-03(0.58-1.08)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-053	SB-R-C14-03	SB-R-C14-03(4.0-4.5)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-066	SB-R-C14-04	SB-R-C14-04(0.5-1.0)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-066	SB-R-C14-04	SB-R-C14-04(2.0-2.5)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-062	SB-R-D12-01	SB-R-D12-01(0.5-1.0)	05/30/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-062	SB-R-D12-01	SB-R-D12-01(6.5-7.0)	05/30/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-065	SB-R-D12-02	SB-R-D12-02(0.5-1.0)	06/06/06	X	X	X	X	X	-	-	Y	-	-
AREA II	DYNAMITE	Grid-Based	R-065	SB-R-D12-02	SB-R-D12-02(2.5-3.0)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-075	SB-R-D12-03	SB-R-D12-03(0.75-1.25)	06/12/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-075	SB-R-D12-03	SB-R-D12-03(5.5-6.0)	06/12/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-071	SB-R-D13-01	SB-R-D13-01(0.5-1.0)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-071	SB-R-D13-01	TP-R-D13-01(4.5-5.0)	08/08/06	NA	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-068	SB-R-D13-02	SB-R-D13-02(1.33-1.83)	06/12/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-068	SB-R-D13-02	SB-R-D13-02(4.42-4.92)	06/12/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-074	SB-R-D14-01	TP-R-D14-01(1.5-2.0)	08/08/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	DYNAMITE	Grid-Based	R-074	SB-R-D14-01	TP-R-D14-01(4.5-5.0)	08/08/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-077	SB-R-D14-02	SB-R-D14-02(0.5-1.0)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-077	SB-R-D14-02	SB-R-D14-02(2.0-2.5)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-085	SB-R-D14-03	SB-R-D14-03(0.5-1.0)	07/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-089	SB-R-E10-01	SB-R-E10-01(1.25-1.75)	05/08/06	X	X	X	X	X	-	-	Y	-	-
AREA II	DYNAMITE	Grid-Based	R-089	SB-R-E10-01	SB-R-E10-01(5.0-5.5)	05/08/06	X	X	X	X	X	-	-	-	-	-

Table B3-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	DYNAMITE	Grid-Based	R-082	SB-R-E11-01	SB-R-E11-01(0.5-1.0)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-082	SB-R-E11-01	SB-R-E11-01(2.5-3.0)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-091	SB-R-E11-02	SB-R-E11-02(0.5-1.0)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-091	SB-R-E11-02	SB-R-E11-02(2.25-2.75)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-094	SB-R-E11-04	SB-R-E11-04(0.5-1.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-094	SB-R-E11-04	SB-R-E11-04(4.5-5.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-096	SB-R-E12-01	SB-R-E12-01(0.5-1.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-096	SB-R-E12-01	SB-R-E12-01(3.0-3.5)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-084	SB-R-E12-02	SB-R-E12-02(0.5-1.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-084	SB-R-E12-02	SB-R-E12-02(2.0-2.5)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-100	SB-R-E12-03	SB-R-E12-03(0.5-1.0)	05/30/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-100	SB-R-E12-03	SB-R-E12-03(3.0-3.5)	05/30/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-087	SB-R-E12-04	SB-R-E12-04(0.5-1.0)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-087	SB-R-E12-04	SB-R-E12-04(2.0-2.5)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-093	SB-R-E13-01	SB-R-E13-01(0.5-1.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-093	SB-R-E13-01	SB-R-E13-01(4.5-5.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-106	SB-R-E13-02	SB-R-E13-02(0.5-1.0)	05/30/06	X	X	X	X	X	-	-	Y	-	-
AREA II	DYNAMITE	Grid-Based	R-106	SB-R-E13-02	SB-R-E13-02(5.0-5.5)	05/30/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-090	SB-R-E13-03	SB-R-E13-03(0.5-1.0)	06/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-090	SB-R-E13-03	SB-R-E13-03(5.0-5.5)	06/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-103	SB-R-E13-04	SB-R-E13-04(1.0-1.5)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-103	SB-R-E13-04	SB-R-E13-04(2.0-2.5)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-109	SB-R-E14-01	SB-R-E14-01(1.0-1.5)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-109	SB-R-E14-01	SB-R-E14-01(2.17-2.67)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-099	SB-R-E14-02	SB-R-E14-02(0.5-1.0)	07/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-107	SB-R-F11-04	SB-R-F11-04(0.5-1.0)	05/17/06	X	X	X	X	X	-	-	Y	-	-
AREA II	DYNAMITE	Grid-Based	R-107	SB-R-F11-04	SB-R-F11-04(5.25-5.75)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-127	SB-R-F12-01	SB-R-F12-01(1.0-1.5)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-127	SB-R-F12-01	SB-R-F12-01(2.5-3.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-130	SB-R-F12-02	SB-R-F12-02(0.5-1.0)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-130	SB-R-F12-02	SB-R-F12-02(2.0-2.5)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-110	SB-R-F12-03	SB-R-F12-03(0.5-1.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-110	SB-R-F12-03	SB-R-F12-03(2.0-2.5)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-113	SB-R-F12-04	SB-R-F12-04(0.5-1.0)	05/30/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-113	SB-R-F12-04	SB-R-F12-04(2.5-3.0)	05/30/06	X	X	X	X	X	-	-	Y	-	-
AREA II	DYNAMITE	Grid-Based	R-113	SB-R-F12-04	TP-R-F12-04(4.5-5.0)	08/01/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-117	SB-R-F13-01	SB-R-F13-01(1.5-2.0)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-117	SB-R-F13-01	SB-R-F13-01(4.0-4.5)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-121	SB-R-F13-02	SB-R-F13-02(0.5-1.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-121	SB-R-F13-02	SB-R-F13-02(4.5-5.0)	05/26/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-134	SB-R-F13-03	SB-R-F13-03(0.5-1.0)	05/30/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-134	SB-R-F13-03	SB-R-F13-03(4.5-5.0)	05/30/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-139	SB-R-F13-04	SB-R-F13-04(0.5-1.0)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-139	SB-R-F13-04	SB-R-F13-04(2.5-3.0)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-125	SB-R-F14-01	SB-R-F14-01(0.5-1.0)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-125	SB-R-F14-01	SB-R-F14-01(2.0-2.5)	06/05/06	X	X	X	X	X	-	-	-	-	-

Table B3-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	DYNAMITE	Grid-Based	R-150	SB-R-F14-02	SB-R-F14-02(0.5-1.0)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-150	SB-R-F14-02	SB-R-F14-02(2.0-2.5)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-151	SB-R-G12-04	SB-R-G12-04(0.5-1.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-151	SB-R-G12-04	SB-R-G12-04(2.5-3.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-177	SB-R-G13-01	SB-R-G13-01(0.5-1.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-177	SB-R-G13-01	SB-R-G13-01(5.5-6.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-164	SB-R-G14-02	SB-R-G14-02(0.75-1.25)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	Grid-Based	R-164	SB-R-G14-02	SB-R-G14-02(2.0-2.5)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-1	TP-R-C13-666-1(1.0-1.5)	08/17/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-1	TP-R-C13-666-1(6.5-7.0)	08/17/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-2	TP-R-C13-666-2(1.0-1.5)	08/17/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-2	TP-R-C13-666-2(6.5-7.0)	08/17/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-3	TP-R-C13-666-3(0.5-1.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-3	TP-R-C13-666-3(6.5-7.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-4	TP-R-C13-666-4(0.5-1.0)	08/17/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-4	TP-R-C13-666-4(7.0-7.5)	08/17/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-5	TP-R-C13-666-5(0.5-1.0)	08/17/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	DYNAMITE	SI AOC Rsvd for RI	-	TP-R-C13-666-5	TP-R-C13-666-5(7.5-8.0)	08/17/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-014	SB-R-A14-01	SB-R-A14-01(0.5-1.0)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-014	SB-R-A14-01	SB-R-A14-01(2.0-2.5)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-025	SB-R-B14-02	SB-R-B14-02(0.5-1.0)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-025	SB-R-B14-02	SB-R-B14-02(2.0-2.5)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-028	SB-R-B14-03	SB-R-B14-03(0.5-1.0)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-028	SB-R-B14-03	SB-R-B14-03(2.17-2.67)	06/06/06	X	X	X	X	X	-	-	Y	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-028	SB-R-B14-03	TP-R-B14-03(6.17-6.67)	08/17/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-043	SB-R-B15-01	SB-R-B15-01(0.5-1.0)	07/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-069	SB-R-C15-01	SB-R-C15-01(0.5-1.0)	06/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-069	SB-R-C15-01	SB-R-C15-01(1.5-2.0)	06/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-056	SB-R-C15-02	SB-R-C15-02(0.75-1.25)	06/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-056	SB-R-C15-02	SB-R-C15-02(2.0-2.5)	06/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-079	SB-R-D15-01	SB-R-D15-01(0.5-1.0)	07/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-049	SB-R-D9-01	SB-R-D9-01(0.5-1.0)	06/29/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-046	SB-R-D9-02	SB-R-D9-02(0.5-1.0)	06/29/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-061	SB-R-D9-03	SB-R-D9-03(0.5-1.0)	07/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-073	SB-R-E9-03	SB-R-E9-03(0.5-1.0)	07/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-155	SB-R-F15-01	SB-R-F15-01(0.5-1.0)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-155	SB-R-F15-01	SB-R-F15-01(2.0-2.5)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-159	SB-R-F15-02	SB-R-F15-02(0.5-1.0)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-159	SB-R-F15-02	SB-R-F15-02(2.0-2.5)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-137	SB-R-F15-03	SB-R-F15-03(0.5-1.0)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-137	SB-R-F15-03	SB-R-F15-03(4.0-4.5)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-132	SB-R-F15-04	SB-R-F15-04(0.5-1.0)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-132	SB-R-F15-04	SB-R-F15-04(2.0-2.5)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-143	SB-R-F16-01	SB-R-F16-01(1.17-1.67)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-143	SB-R-F16-01	SB-R-F16-01(2.0-2.5)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-169	SB-R-G14-01	SB-R-G14-01(0.5-1.0)	06/05/06	X	X	X	X	X	-	-	-	-	-

Table B3-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-169	SB-R-G14-01	SB-R-G14-01(2.0-2.5)	06/05/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-174	SB-R-G15-01	SB-R-G15-01(0.5-1.0)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	MISCELLANEOUS/OFFSITE	Grid-Based	R-174	SB-R-G15-01	SB-R-G15-01(2.0-2.5)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-023	SB-R-B11-04	SB-R-B11-04(0.5-1.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-023	SB-R-B11-04	SB-R-B11-04(3.5-4.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-035	SB-R-C11-01	SB-R-C11-01(0.5-1.0)	05/31/06	X	X	X	X	X	-	-	Y	-	-
AREA II	NG	Grid-Based	R-035	SB-R-C11-01	SB-R-C11-01(6.5-7.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-048	SB-R-C11-02	SB-R-C11-02(1.0-1.5)	05/31/06	X	X	X	X	X	-	-	Y	-	-
AREA II	NG	Grid-Based	R-048	SB-R-C11-02	SB-R-C11-02(4.5-5.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-032	SB-R-C11-03	SB-R-C11-03(0.5-1.0)	06/01/06	X	X	X	X	X	-	Y	Y	-	-
AREA II	NG	Grid-Based	R-032	SB-R-C11-03	SB-R-C11-03(4.5-5.0)	06/01/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-045	SB-R-C11-04	SB-R-C11-04(0.5-1.0)	06/07/06	X	X	X	X	X	-	-	Y	-	-
AREA II	NG	Grid-Based	R-045	SB-R-C11-04	SB-R-C11-04(4.0-4.5)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-037	SB-R-C12-02	SB-R-C12-02(0.5-1.0)	05/31/06	X	X	X	X	X	-	Y	-	-	-
AREA II	NG	Grid-Based	R-037	SB-R-C12-02	SB-R-C12-02(5.5-6.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-051	SB-R-C12-03	SB-R-C12-03(1.0-1.5)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-051	SB-R-C12-03	SB-R-C12-03(2.5-3.0)	06/06/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-052	SB-R-D10-01	SB-R-D10-01(0.5-1.0)	06/01/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-052	SB-R-D10-01	SB-R-D10-01(2.5-3.0)	06/01/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-064	SB-R-D10-02	SB-R-D10-02(1.0-1.5)	06/01/06	X	X	X	X	X	-	-	Y	-	Y
AREA II	NG	Grid-Based	R-064	SB-R-D10-02	TP-R-D10-02(5.0-5.5)	08/15/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-067	SB-R-D10-03	SB-R-D10-03(0.5-1.0)	06/01/06	X	X	X	X	X	-	Y	Y	-	-
AREA II	NG	Grid-Based	R-067	SB-R-D10-03	SB-R-D10-03(5.0-5.5)	06/01/06	X	X	X	X	X	-	-	Y	-	-
AREA II	NG	Grid-Based	R-067	SB-R-D10-03	TP-R-D10-03(9.0-9.5)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	NG	Grid-Based	R-055	SB-R-D10-04	SB-R-D10-04(0.5-1.0)	06/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-055	SB-R-D10-04	SB-R-D10-04(5.0-5.5)	06/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-059	SB-R-D11-01	SB-R-D11-01(1.0-1.5)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-059	SB-R-D11-01	SB-R-D11-01(6.0-6.5)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-072	SB-R-D11-02	SB-R-D11-02(0.5-1.0)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-072	SB-R-D11-02	SB-R-D11-02(6.0-6.5)	05/31/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-057	SB-R-D11-03	SB-R-D11-03(1.0-1.5)	06/01/06	X	X	X	X	X	-	-	Y	-	-
AREA II	NG	Grid-Based	R-057	SB-R-D11-03	SB-R-D11-03(6.0-6.5)	06/01/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-070	SB-R-D11-04	SB-R-D11-04(0.5-1.0)	06/08/06	X	X	X	X	X	-	-	-	-	Y
AREA II	NG	Grid-Based	R-070	SB-R-D11-04	SB-R-D11-04(4.0-4.5)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-078	SB-R-E10-02	SB-R-E10-02(0.5-1.0)	06/01/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-078	SB-R-E10-02	SB-R-E10-02(6.0-6.5)	06/01/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-076	SB-R-E10-03	SB-R-E10-03(0.5-1.0)	06/02/06	X	X	X	X	X	-	-	Y	-	-
AREA II	NG	Grid-Based	R-076	SB-R-E10-03	SB-R-E10-03(5.0-5.5)	06/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	Grid-Based	R-080	SB-R-E11-03	SB-R-E11-03(0.5-1.0)	05/17/06	X	X	X	X	X	-	Y	-	-	-
AREA II	NG	Grid-Based	R-080	SB-R-E11-03	SB-R-E11-03(4.67-5.17)	05/17/06	X	X	X	X	X	-	-	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-C11-8572C-1	TP-R-C11-8572C-1(0.5-1.0)	08/15/06	NA	X	NA	X	NA	-	-	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-C11-8572C-1	TP-R-C11-8572C-1(8.5-9.0)	08/15/06	NA	X	NA	X	NA	-	-	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-C11-8572D-1	TP-R-C11-8572D-1(0.5-1.0)	08/15/06	NA	X	NA	X	NA	-	Y	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-C11-8572D-1	TP-R-C11-8572D-1(9.0-9.5)	08/15/06	NA	X	NA	X	NA	-	-	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-D11-2031-1	TP-R-D11-2031-1(0.5-1.0)	08/15/06	NA	X	NA	NA	NA	-	-	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-D11-2031-1	TP-R-D11-2031-1(6.5-7.0)	08/15/06	NA	X	NA	NA	NA	-	-	-	-	-

Table B3-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-D11-2031-2	TP-R-D11-2031-2(0.5-1.0)	08/15/06	NA	X	NA	NA	NA	-	Y	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-D11-2031-2	TP-R-D11-2031-2(8.5-9.0)	08/15/06	NA	X	NA	NA	NA	-	Y	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-D11-2031-3	TP-R-D11-2031-3(1.0-1.5)	08/15/06	NA	X	NA	NA	NA	-	Y	-	-	-
AREA II	NG	SI AOC Rsvd for RI	-	TP-R-D11-2031-3	TP-R-D11-2031-3(8.0-8.5)	08/15/06	NA	X	NA	NA	NA	-	-	-	-	-
AREA II	PETN	Grid-Based	R-042	SB-R-C10-02	SB-R-C10-02(0.5-1.0)	06/01/06	X	X	X	X	X	-	-	Y	-	-
AREA II	PETN	Grid-Based	R-042	SB-R-C10-02	SB-R-C10-02(5.5-6.0)	06/01/06	X	X	X	X	X	-	-	Y	-	-
AREA II	PETN	Grid-Based	R-042	SB-R-C10-02	TP-R-C10-02(9.5-10.0)	08/15/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Vertical	-	B10-503-07	TP-R-B10-503-07(11.5-12.0)	08/11/06	NA	X	NA	X	NA	-	-	-	-	-
AREA II	TNT	SI AOC Vertical	-	B11-663-06	TP-R-B11-663-06(8.0-8.5)	08/10/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	Grid-Based	R-006	SB-R-A11-01	SB-R-A11-01(0.5-1.0)	05/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-006	SB-R-A11-01	TP-R-A11-01(4.5-5.0)	08/10/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-004	SB-R-A11-02	SB-R-A11-02(0.5-1.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-004	SB-R-A11-02	SB-R-A11-02(2.5-3.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-008	SB-R-A12-01	SB-R-A12-01(0.5-1.0)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-008	SB-R-A12-01	SB-R-A12-01(4.0-4.5)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-002	SB-R-A12-02	SB-R-A12-02(0.5-1.0)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-002	SB-R-A12-02	SB-R-A12-02(4.0-4.5)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-001	SB-R-A12-03	SB-R-A12-03(0.5-1.0)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-001	SB-R-A12-03	SB-R-A12-03(4.5-5.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-007	SB-R-A12-04	SB-R-A12-04(0.5-1.0)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-007	SB-R-A12-04	SB-R-A12-04(4.5-5.0)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-012	SB-R-A13-01	SB-R-A13-01(1.0-1.5)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-012	SB-R-A13-01	SB-R-A13-01(4.0-4.5)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-005	SB-R-A13-02	SB-R-A13-02(0.5-1.0)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-005	SB-R-A13-02	SB-R-A13-02(2.0-2.5)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-003	SB-R-A13-03	SB-R-A13-03(0.5-1.0)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-003	SB-R-A13-03	SB-R-A13-03(4.0-4.5)	05/19/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-010	SB-R-A13-04	SB-R-A13-04(0.5-1.0)	05/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-010	SB-R-A13-04	SB-R-A13-04(5.0-5.5)	05/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-009	SB-R-B10-01	SB-R-B10-01(0.5-1.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-009	SB-R-B10-01	SB-R-B10-01(4.5-5.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-018	SB-R-B10-02	SB-R-B10-02(0.5-1.0)	05/25/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	Grid-Based	R-018	SB-R-B10-02	SB-R-B10-02(5.0-5.5)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-016	SB-R-B10-03	SB-R-B10-03(0.5-1.0)	06/13/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-016	SB-R-B10-03	SB-R-B10-03(4.0-4.5)	06/13/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-013	SB-R-B11-01	SB-R-B11-01(0.5-1.0)	05/23/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	Grid-Based	R-013	SB-R-B11-01	SB-R-B11-01(4.0-4.5)	05/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-020	SB-R-B11-02	SB-R-B11-02(0.5-1.0)	05/25/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	Grid-Based	R-020	SB-R-B11-02	SB-R-B11-02(6.0-6.5)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-011	SB-R-B11-03	SB-R-B11-03(0.5-1.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-011	SB-R-B11-03	SB-R-B11-03(4.5-5.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-029	SB-R-B12-01	SB-R-B12-01(0.5-1.0)	05/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-029	SB-R-B12-01	SB-R-B12-01(4.0-4.5)	05/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-015	SB-R-B12-02	SB-R-B12-02(0.5-1.0)	05/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-015	SB-R-B12-02	SB-R-B12-02(2.5-3.0)	05/23/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-017	SB-R-B12-03	SB-R-B12-03(0.5-1.0)	05/24/06	X	X	X	X	X	-	-	-	-	-

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Volume B - Remedial Investigation Report
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							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	TNT	Grid-Based	R-017	SB-R-B12-03	SB-R-B12-03(2.5-3.0)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-026	SB-R-B12-04	SB-R-B12-04(0.5-1.0)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-026	SB-R-B12-04	SB-R-B12-04(4.0-4.5)	05/24/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-022	SB-R-B13-02	SB-R-B13-02(1.17-1.67)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-022	SB-R-B13-02	SB-R-B13-02(4.0-4.5)	05/18/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-019	SB-R-B13-04	SB-R-B13-04(0.5-1.0)	05/23/06	X	X	X	X	X	-	Y	Y	-	-
AREA II	TNT	Grid-Based	R-019	SB-R-B13-04	SB-R-B13-04(2.5-3.0)	05/23/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	Grid-Based	R-019	SB-R-B13-04	TP-R-B13-04(6.5-7.0)	08/10/06	NA	X	NA	NA	NA	-	Y	-	-	-
AREA II	TNT	Grid-Based	R-030	SB-R-C10-01	SB-R-C10-01(0.5-1.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-030	SB-R-C10-01	SB-R-C10-01(4.5-5.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-039	SB-R-C10-03	SB-R-C10-03(0.5-1.0)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-039	SB-R-C10-03	SB-R-C10-03(2.33-2.83)	06/07/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-027	SB-R-C10-04	SB-R-C10-04(0.5-1.0)	06/12/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-027	SB-R-C10-04	SB-R-C10-04(2.0-2.5)	06/12/06	X	X	X	X	X	-	-	Y	-	-
AREA II	TNT	Grid-Based	R-027	SB-R-C10-04	TP-R-C10-04(6.0-6.5)	08/17/06	NA	NA	X	NA	NA	-	-	Y	-	-
AREA II	TNT	Grid-Based	R-033	SB-R-C9-01	SB-R-C9-01(0.5-1.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-033	SB-R-C9-01	SB-R-C9-01(2.0-2.5)	05/16/06	X	X	X	X	X	-	-	Y	-	-
AREA II	TNT	Grid-Based	R-033	SB-R-C9-01	TP-R-C9-01(6.0-6.5)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	Grid-Based	R-021	SB-R-C9-02	SB-R-C9-02(0.5-1.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-021	SB-R-C9-02	SB-R-C9-02(2.5-3.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-024	SB-R-C9-03	SB-R-C9-03(0.5-1.0)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-024	SB-R-C9-03	SB-R-C9-03(2.0-2.5)	05/16/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-036	SB-R-C9-04	SB-R-C9-04(0.5-1.0)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	Grid-Based	R-036	SB-R-C9-04	SB-R-C9-04(3.0-3.5)	05/25/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-2-1	TP-R-A11-2-1(1.5-2.0)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-2-1	TP-R-A11-2-1(6.5-7.0)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-2-2	TP-R-A11-2-2(2.0-2.5)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-2-2	TP-R-A11-2-2(7.0-7.5)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-4-1	TP-R-A11-4-1(1.5-2.0)	08/07/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-4-1	TP-R-A11-4-1(8.0-8.5)	08/07/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-4-2	TP-R-A11-4-2(1.5-2.0)	08/07/06	NA	NA	X	X	NA	-	-	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-4-2	TP-R-A11-4-2(8.0-8.5)	08/07/06	NA	NA	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-504-1	TP-R-A11-504-1(1.5-2.0)	08/08/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-504-1	TP-R-A11-504-1(7.0-7.5)	08/08/06	NA	X	X	X	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-504-2	TP-R-A11-504-2(1.5-2.0)	08/08/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-504-2	TP-R-A11-504-2(10.0-10.5)	08/08/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-504-3	TP-R-A11-504-3(1.5-2.0)	08/08/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-504-3	TP-R-A11-504-3(6.0-6.5)	08/08/06	NA	X	X	X	NA	-	Y	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-5-1	TP-R-A11-5-1(1.5-2.0)	08/07/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-5-1	TP-R-A11-5-1(5.0-5.5)	08/07/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-5-2	TP-R-A11-5-2(1.5-2.0)	08/07/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-5-2	TP-R-A11-5-2(7.5-8.0)	08/07/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-7-1	TP-R-A11-7-1(1.5-2.0)	08/07/06	NA	NA	X	X	NA	-	-	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-7-1	TP-R-A11-7-1(6.5-7.0)	08/07/06	NA	NA	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-7-2	TP-R-A11-7-2(1.5-2.0)	08/07/06	NA	NA	X	NA	NA	-	-	Y	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A11-7-2	TP-R-A11-7-2(6.5-7.0)	08/07/06	NA	NA	X	NA	NA	-	-	Y	-	-

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Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A12-1-1	TP-R-A12-1-1(0.5-1.0)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A12-1-1	TP-R-A12-1-1(2.0-2.5)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A12-1-1	TP-R-A12-1-1(8.5-9.0)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A12-426-1	TP-R-A12-426-1(0.5-1.0)	08/15/06	NA	X	NA	X	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A12-426-1	TP-R-A12-426-1(6.5-7.0)	08/15/06	NA	X	NA	X	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A12-426-2	TP-R-A12-426-2(0.5-1.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A12-426-2	TP-R-A12-426-2(7.0-7.5)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-1	TP-R-A13-625-1(0.5-1.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-1	TP-R-A13-625-1(8.5-9.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-2	TP-R-A13-625-2(0.5-1.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-2	TP-R-A13-625-2(9.0-9.5)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-3	TP-R-A13-625-3(0.5-1.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-3	TP-R-A13-625-3(9.0-9.5)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-4	TP-R-A13-625-4(1.0-1.5)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-4	TP-R-A13-625-4(8.0-8.5)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-5	TP-R-A13-625-5(0.5-1.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-5	TP-R-A13-625-5(8.5-9.0)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-6	TP-R-A13-625-6(1.0-1.5)	08/16/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-A13-625-6	TP-R-A13-625-6(8.0-8.5)	08/16/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-1	TP-R-B10-2/B10-509-1(1.5-2.0)	08/10/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-1	TP-R-B10-2/B10-509-1(10.5-11.0)	08/10/06	NA	X	X	X	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-2	TP-R-B10-2/B10-509-2(1.5-2.0)	08/10/06	NA	X	X	X	NA	-	-	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-2	TP-R-B10-2/B10-509-2(8.0-8.5)	08/10/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-2	TP-R-B10-2/B10-509-2(9.5-10.0)	08/10/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-3	TP-R-B10-2/B10-509-3(1.5-2.0)	08/10/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-3	TP-R-B10-2/B10-509-3(13.0-13.5)	08/10/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-4	TP-R-B10-2/B10-509-4(1.5-2.0)	08/10/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-4	TP-R-B10-2/B10-509-4(14.0-14.5)	08/10/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-5	TP-R-B10-2/B10-509-5(1.5-2.0)	08/10/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-5	TP-R-B10-2/B10-509-5(11.0-11.5)	08/10/06	NA	X	X	X	NA	-	-	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-6	TP-R-B10-2/B10-509-6(1.5-2.0)	08/10/06	NA	X	X	X	NA	-	-	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-6	TP-R-B10-2/B10-509-6(9.5-10.0)	08/10/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-7	TP-R-B10-2/B10-509-7(1.5-2.0)	08/10/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-7	TP-R-B10-2/B10-509-7(10.5-11.0)	08/10/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-7	TP-R-B10-2/B10-509-7(4.0-4.5)	08/10/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-8	TP-R-B10-2/B10-509-8(1.5-2.0)	08/10/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-8	TP-R-B10-2/B10-509-8(10.5-11.0)	08/10/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-2/B10-509-8	TP-R-B10-2/B10-509-8(4.5-5.0)	08/10/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-501-1	TP-R-B10-501-1(1.5-2.0)	08/08/06	NA	NA	X	NA	NA	-	-	Y	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-501-1	TP-R-B10-501-1(13.0-13.5)	08/08/06	NA	NA	X	NA	NA	-	-	Y	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-501-1	TP-R-B10-501-1(7.5-8.0)	08/08/06	NA	NA	X	NA	NA	-	-	Y	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-502-1	TP-R-B10-502-1(1.5-2.0)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-502-1	TP-R-B10-502-1(9.5-10.0)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-502-2	TP-R-B10-502-2(1.5-2.0)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-502-2	TP-R-B10-502-2(8.5-9.0)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-1	TP-R-B10-505-1(1.5-2.0)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-

Table B3-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-1	TP-R-B10-505-1(10.5-11.0)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-2	TP-R-B10-505-2(1.5-2.0)	08/09/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-2	TP-R-B10-505-2(8.0-8.5)	08/09/06	NA	X	X	X	NA	-	-	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-3	TP-R-B10-505-3(1.5-2.0)	08/09/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-3	TP-R-B10-505-3(8.0-8.5)	08/09/06	NA	X	X	X	NA	-	-	Y	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-4	TP-R-B10-505-4(1.5-2.0)	08/09/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-4	TP-R-B10-505-4(11.5-12.0)	08/09/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-4	TP-R-B10-505-4(5.5-6.0)	08/09/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-5	TP-R-B10-505-5(1.5-2.0)	08/09/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-5	TP-R-B10-505-5(10.5-11.0)	08/09/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-505-5	TP-R-B10-505-5(5.5-6.0)	08/09/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-1	TP-R-B10-508-1(1.5-2.0)	08/09/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-1	TP-R-B10-508-1(10.0-10.5)	08/09/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-1	TP-R-B10-508-1(14.5-15.0)	08/09/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-2	TP-R-B10-508-2(10.5-11.0)	08/09/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-2	TP-R-B10-508-2(2.0-2.5)	08/09/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-3	TP-R-B10-508-3(1.5-2.0)	08/09/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-3	TP-R-B10-508-3(16.5-17.0)	08/09/06	NA	X	X	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-3	TP-R-B10-508-3(5.5-6.0)	08/09/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-4	TP-R-B10-508-4(1.5-2.0)	08/09/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-4	TP-R-B10-508-4(16.5-17.0)	08/09/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-508-4	TP-R-B10-508-4(5.5-6.0)	08/09/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-5-1	TP-R-B10-5-1(1.5-2.0)	08/11/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-5-1	TP-R-B10-5-1(12.0-12.5)	08/11/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-5-1	TP-R-B10-5-1(4.5-5.0)	08/11/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-6-1	TP-R-B10-6-1(1.5-2.0)	08/11/06	NA	X	X	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-6-1	TP-R-B10-6-1(12.0-12.5)	08/11/06	NA	X	X	X	NA	-	-	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B10-6-1	TP-R-B10-6-1(4.0-4.5)	08/11/06	NA	X	X	X	NA	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-1-1	TP-R-B12-1-1(0.5-1.0)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-1-1	TP-R-B12-1-1(9.0-9.5)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-1-2	TP-R-B12-1-2(0.5-1.0)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-1-2	TP-R-B12-1-2(2.75-3.25)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-1-2	TP-R-B12-1-2(9.0-9.5)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-1-3	TP-R-B12-1-3(0.5-1.0)	08/14/06	NA	X	NA	X	NA	-	Y	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-1-3	TP-R-B12-1-3(7.0-7.5)	08/14/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-234-1	TP-R-B12-234-1(1.0-1.5)	08/11/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-234-1	TP-R-B12-234-1(11.0-11.5)	08/11/06	NA	X	NA	X	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-234-1	TP-R-B12-234-1(7.5-8.0)	08/11/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-234-2	TP-R-B12-234-2(1.0-1.5)	08/11/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-234-2	TP-R-B12-234-2(5.0-5.5)	08/11/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B12-234-2	TP-R-B12-234-2(8.0-8.5)	08/11/06	NA	X	NA	X	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-1	TP-R-B13-1-1(1.5-2.0)	08/04/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-1	TP-R-B13-1-1(12.5-13.0)	08/04/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-1	TP-R-B13-1-1(5.5-6.0)	08/04/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-2	TP-R-B13-1-2(13.5-14.0)	08/04/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-2	TP-R-B13-1-2(2.0-2.5)	08/04/06	X	X	X	X	X	-	Y	-	Y	-

Table B3-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-2	TP-R-B13-1-2(6.0-6.5)	08/04/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-3	TP-R-B13-1-3(1.5-2.0)	08/04/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-3	TP-R-B13-1-3(11.5-12.0)	08/04/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-3	TP-R-B13-1-3(6.5-7.0)	08/04/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-4	TP-R-B13-1-4(1.5-2.0)	08/04/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-4	TP-R-B13-1-4(11.5-12.0)	08/04/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-4	TP-R-B13-1-4(6.0-6.5)	08/04/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-5	TP-R-B13-1-5(11.5-12.0)	08/07/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-5	TP-R-B13-1-5(2.0-2.5)	08/07/06	X	X	X	X	X	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-1-5	TP-R-B13-1-5(7.0-7.5)	08/07/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-1	TP-R-B13-2-1(1.5-2.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-1	TP-R-B13-2-1(11.5-12.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-1	TP-R-B13-2-1(5.0-5.5)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-2	TP-R-B13-2-2(1.5-2.0)	08/02/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-2	TP-R-B13-2-2(12.5-13.0)	08/02/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-2	TP-R-B13-2-2(5.5-6.0)	08/02/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-3	TP-R-B13-2-3(1.5-2.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-3	TP-R-B13-2-3(5.5-6.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-3	TP-R-B13-2-3(9.5-10.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-4	TP-R-B13-2-4(1.5-2.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-4	TP-R-B13-2-4(5.5-6.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-4	TP-R-B13-2-4(9.5-10.0)	08/02/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-5	TP-R-B13-2-5(1.5-2.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-5	TP-R-B13-2-5(4.0-4.5)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-5	TP-R-B13-2-5(8.5-9.0)	08/02/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-6	TP-R-B13-2-6(1.5-2.0)	08/02/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-6	TP-R-B13-2-6(3.0-3.5)	08/02/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-6	TP-R-B13-2-6(4.5-5.0)	08/02/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-7	TP-R-B13-2-7(1.5-2.0)	08/03/06	X	X	X	X	X	-	-	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-7	TP-R-B13-2-7(11.5-12.0)	08/03/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-7	TP-R-B13-2-7(6.0-6.5)	08/03/06	X	X	X	X	X	-	-	-	-	-

Table B3-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-8	TP-R-B13-2-8(1.5-2.0)	08/02/06	X	X	X	X	X	-	Y	Y	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-8	TP-R-B13-2-8(4.5-5.0)	08/02/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-8	TP-R-B13-2-8(7.5-8.0)	08/02/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-9	TP-R-B13-2-9(1.5-2.0)	08/02/06	X	X	X	X	X	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-9	TP-R-B13-2-9(6.0-6.5)	08/02/06	X	X	X	X	X	-	-	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-B13-2-9	TP-R-B13-2-9(9.5-10.0)	08/02/06	X	X	X	X	X	-	Y	-	Y	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-C10-439-1	TP-R-C10-439-1(1.5-2.0)	08/11/06	NA	NA	X	NA	NA	-	-	Y	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-C10-439-1	TP-R-C10-439-1(8.0-8.5)	08/11/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-C10-439-2	TP-R-C10-439-2(1.5-2.0)	08/11/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-C10-439-2	TP-R-C10-439-2(10.5-11.0)	08/11/06	NA	NA	X	NA	NA	-	-	Y	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-C10-439-3	TP-R-C10-439-3(1.5-2.0)	08/11/06	NA	NA	X	NA	NA	-	-	Y	-	-
AREA II	TNT	SI AOC Rsvd for RI	-	TP-R-C10-439-3	TP-R-C10-439-3(10.0-10.5)	08/11/06	NA	NA	X	NA	NA	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
SB = Soil boring
TP = Test pit
SI = Site Investigation
RI = Remedial Investigation
AOC = Area of Concern
* = Preliminary Location ID was established in the Remedial Investigation Work Plan
X = Sample was submitted for laboratory analysis for analytical group indicated on table
Y = Sample was identified by laboratory analysis at concentrations exceeding the IGWSCC/RDCSCC/NRDCSCC for analytical group indicated on table
SI AOC Rsvd for RI = These samples were collected from SI AOCs Reserved for the RI
SI AOC Vertical = These samples were collected for vertical delineation from SI AOC-based locations where SI samples collected at depths greater than 2-ft. bgs indicated applicable soil residential cleanup criteria exceedances.

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-B13-01 SB-R-B13-01(0.5-1.0) 05/18/06	AREA II DYNAMITE SB-R-B13-01 SB-R-B13-01(2.0-2.5) 05/18/06	AREA II DYNAMITE SB-R-B13-03 SB-R-B13-03(0.5-1.0) 05/19/06	AREA II DYNAMITE SB-R-B13-03 SB-R-B13-03(2.0-2.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U	3000 UJ	2900 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	750 U	750 UJ	730 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	750 U	750 UJ	730 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	750 U	750 UJ	680 J
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	750 U	750 UJ	730 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	41 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	53 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	370 U	390 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.33 UJ	2.17 UJ	1.08 J	2.16 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.21	2.61	3.75	4.86
METALS	BERYLLIUM	MG/KG	NS	2	2	0.729	0.684	0.759	0.716
METALS	CADMIUM	MG/KG	NS	39	100	2.92 U	2.71 U	2.83 U	0.393 J
METALS	COPPER	MG/KG	NS	600	600	10.3	13.5	15.2	14.6
METALS	LEAD	MG/KG	NS	400	600	8.86	3.90	12.0	6.18
METALS	MERCURY	MG/KG	NS	14	270	0.0453 J	0.0156 J	0.0404 J	0.0222 J
METALS	NICKEL	MG/KG	NS	250	2400	9.59	8.11	9.28	8.86
METALS	SELENIUM	MG/KG	NS	63	3100	2.33 U	2.17 U	2.27 U	2.16 U
METALS	SILVER	MG/KG	NS	110	4100	0.583 U	0.543 U	0.567 U	0.539 U
METALS	THALLIUM	MG/KG	NS	2	2	2.33 U	2.17 U	2.27 U	2.16 U
METALS	ZINC	MG/KG	NS	1500	1500	51.4	40.4	58.3	49.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	340 U	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6700 U	6900 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 UJ	840 UJ	870 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-B13-01 SB-R-B13-01(0.5-1.0) 05/18/06	AREA II DYNAMITE SB-R-B13-01 SB-R-B13-01(2.0-2.5) 05/18/06	AREA II DYNAMITE SB-R-B13-03 SB-R-B13-03(0.5-1.0) 05/19/06	AREA II DYNAMITE SB-R-B13-03 SB-R-B13-03(2.0-2.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-B14-01 SB-R-B14-01(0.83-1.33) 05/18/06	AREA II DYNAMITE SB-R-B14-01 SB-R-B14-01(4.0-4.5) 05/18/06	AREA II DYNAMITE SB-R-B14-04 SB-R-B14-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-B14-04 SB-R-B14-04(4.0-4.5) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2800 U	3100 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	700 U	780 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	700 U	780 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	700 U	780 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	700 U	780 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	180 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	360 U	400 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.45 J	2.09 UJ	1.39 J	2.28 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.52	1.39 J	5.44	1.59 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.803	0.590	0.653	0.537 J
METALS	CADMIUM	MG/KG	NS	39	100	3.02 U	2.62 U	2.97 UJ	0.189 J
METALS	COPPER	MG/KG	NS	600	600	13.1	13.5	13.0	13.5
METALS	LEAD	MG/KG	NS	400	600	8.53	1.53 J	10.0	2.07 J
METALS	MERCURY	MG/KG	NS	14	270	0.0363 J	0.0041 J	0.125	0.111 U
METALS	NICKEL	MG/KG	NS	250	2400	9.32	6.29	8.95	6.33
METALS	SELENIUM	MG/KG	NS	63	3100	2.42 U	2.09 U	1.34 J	2.28 U
METALS	SILVER	MG/KG	NS	110	4100	0.604 U	0.523 U	0.593 U	0.569 U
METALS	THALLIUM	MG/KG	NS	2	2	2.42 U	2.09 U	1.79 J	2.28 U
METALS	ZINC	MG/KG	NS	1500	1500	53.4	40.8	50.2 J	35.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	320 U	360 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	320 U	360 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	320 U	360 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	320 U	360 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	320 U	360 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6500 U	7300 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 UJ	810 UJ	910 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	18 U	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	18 U	21 U	20 U

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-B14-01 SB-R-B14-01(0.83-1.33) 05/18/06	AREA II DYNAMITE SB-R-B14-01 SB-R-B14-01(4.0-4.5) 05/18/06	AREA II DYNAMITE SB-R-B14-04 SB-R-B14-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-B14-04 SB-R-B14-04(4.0-4.5) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	18 U	21 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	18 U	21 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	18 U	21 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	7.2 J	18 U	21 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	18 U	21 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	7.2 J	18 U	21 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C12-01 SB-R-C12-01(0.5-1.0) 05/31/06	AREA II DYNAMITE SB-R-C12-01 SB-R-C12-01(4.5-5.0) 05/31/06	AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(4.0-4.5) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 UJ	2700 U	2600 UJ	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 UJ	680 U	660 UJ	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 UJ	680 U	660 UJ	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 UJ	680 U	660 UJ	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 UJ	680 U	660 UJ	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	220	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 UJ	190 U	63 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 UJ	190 U	61 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 UJ	85 J	80 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 UJ	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 UJ	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	370 UJ	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 UJ	70 J	72 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 UJ	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 UJ	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.22 J	1.01 J	1.88 J	2.30 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.83	1.88 J	133	2.04 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.626	0.571	0.542 J	0.392 J
METALS	CADMIUM	MG/KG	NS	39	100	2.67 U	0.550 U	2.85 U	0.576 U
METALS	COPPER	MG/KG	NS	600	600	14.7	12.1	15.5	9.05
METALS	LEAD	MG/KG	NS	400	600	5.48	1.74 J	15.5	1.64 J
METALS	MERCURY	MG/KG	NS	14	270	0.0273 J	0.105 U	0.0459 J	0.115 U
METALS	NICKEL	MG/KG	NS	250	2400	7.60	4.68	8.71	5.48
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	2.20 U	2.28 U	2.30 U
METALS	SILVER	MG/KG	NS	110	4100	0.533 U	0.550 U	0.570 U	0.576 U
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.20 U	2.28 U	1.58 J
METALS	ZINC	MG/KG	NS	1500	1500	39.2 J	36.1 J	42.7	31.9
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	330 UJ	350 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	330 UJ	350 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	330 UJ	350 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 UJ	330 UJ	350 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	330 UJ	350 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 UJ	6700 UJ	6900 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 UJ	830 UJ	860 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	19 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	19 U	20 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C12-01 SB-R-C12-01(0.5-1.0) 05/31/06	AREA II DYNAMITE SB-R-C12-01 SB-R-C12-01(4.5-5.0) 05/31/06	AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(4.0-4.5) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	19 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	19 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	19 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	19 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	19 U	6.9 J	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	19 U	6.9 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(0.83-1.33) 05/18/06	AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(4.25-4.75) 05/18/06	AREA II DYNAMITE SB-R-C13-01 TP-R-C13-01(8.25-8.75) 08/09/06	AREA II DYNAMITE SB-R-C13-02 SB-R-C13-02(0.5-1.0) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	4000 U	NA	3300 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	990 U	NA	830 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	990 U	NA	830 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	990 U	NA	830 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	990 U	NA	830 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	260 U	NA	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	3200 U	NA	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	260 U	NA	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	260 U	NA	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 UJ	260 U	NA	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 UJ	260 U	NA	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 UJ	260 U	NA	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	260 U	NA	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	530 U	NA	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	260 U	NA	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	77 J	260 U	NA	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 UJ	260 U	NA	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 J	260 U	NA	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 UJ	260 U	NA	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	260 U	NA	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	100 J	260 U	NA	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.02 J	3.07 UJ	2.25 U	2.47 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.62	3.80	1.85 J	3.52
METALS	BERYLLIUM	MG/KG	NS	2	2	0.631	0.975	0.494 J	0.810
METALS	CADMIUM	MG/KG	NS	39	100	0.542 U	3.84 U	2.81 U	0.643 J
METALS	COPPER	MG/KG	NS	600	600	12.7	15.6	17.3	9.50
METALS	LEAD	MG/KG	NS	400	600	9.43	6.61	2.20	17.7
METALS	MERCURY	MG/KG	NS	14	270	0.0213 J	0.155 UJ	0.114 U	0.0319 J
METALS	NICKEL	MG/KG	NS	250	2400	8.14	10.3	5.89	7.03
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 U	3.07 U	2.25 U	2.47 U
METALS	SILVER	MG/KG	NS	110	4100	0.542 U	0.768 U	0.562 U	0.618 U
METALS	THALLIUM	MG/KG	NS	2	2	2.17 U	2.20 J	2.25 U	2.47 U
METALS	ZINC	MG/KG	NS	1500	1500	51.6	52.1	64.1	53.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	470 U	NA	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	470 U	NA	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	470 U	NA	380 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	470 U	NA	380 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	470 U	NA	380 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	110000 J	190000 UJ	NA	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	9500 U	NA	7600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	1200 UJ	NA	950 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	27 U	NA	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	27 U	NA	21 U

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(0.83-1.33) 05/18/06	AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(4.25-4.75) 05/18/06	AREA II DYNAMITE SB-R-C13-01 TP-R-C13-01(8.25-8.75) 08/09/06	AREA II DYNAMITE SB-R-C13-02 SB-R-C13-02(0.5-1.0) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	27 U	NA	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	27 U	NA	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	27 U	NA	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	27 U	NA	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	27 U	NA	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	27 U	NA	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-02 SB-R-C13-02(2.5-3.0) 05/19/06	AREA II DYNAMITE SB-R-C13-03 SB-R-C13-03(0.5-1.0) 05/31/06	AREA II DYNAMITE SB-R-C13-03 SB-R-C13-03(5.0-5.5) 05/31/06	AREA II DYNAMITE SB-R-C13-04 SB-R-C13-04(0.5-1.0) 06/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2900 U	2800 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	730 U	700 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	730 U	700 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	730 U	700 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	730 U	700 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2400 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	200 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	200 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	200 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	390 U	370 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	200 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.991 J	1.12 J	1.15 J	1.56 J
METALS	ARSENIC	MG/KG	NS	20	20	1.47 J	2.30	1.28 J	4.19
METALS	BERYLLIUM	MG/KG	NS	2	2	0.442 J	0.608	0.531 J	0.704
METALS	CADMIUM	MG/KG	NS	39	100	2.61 U	2.83 U	2.77 U	2.77 U
METALS	COPPER	MG/KG	NS	600	600	10.0	10.9	17.6	13.9
METALS	LEAD	MG/KG	NS	400	600	2.21	4.37	2.76	6.06
METALS	MERCURY	MG/KG	NS	14	270	0.0994 U	0.0141 J	0.105 U	0.0315 J
METALS	NICKEL	MG/KG	NS	250	2400	5.99	6.98	7.97	8.00
METALS	SELENIUM	MG/KG	NS	63	3100	2.09 U	2.27 U	2.21 U	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.521 U	0.566 U	0.553 U	0.554 U
METALS	THALLIUM	MG/KG	NS	2	2	2.09 U	2.27 U	2.21 U	2.21 U
METALS	ZINC	MG/KG	NS	1500	1500	32.7	40.8 J	42.1 J	46.9
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	350 UJ	340 UJ	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	350 UJ	340 UJ	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	350 UJ	340 UJ	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	320 U	350 UJ	340 UJ	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	350 UJ	340 UJ	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	130000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	7100 UJ	6700 UJ	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	880 UJ	840 UJ	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-02 SB-R-C13-02(2.5-3.0) 05/19/06	AREA II DYNAMITE SB-R-C13-03 SB-R-C13-03(0.5-1.0) 05/31/06	AREA II DYNAMITE SB-R-C13-03 SB-R-C13-03(5.0-5.5) 05/31/06	AREA II DYNAMITE SB-R-C13-04 SB-R-C13-04(0.5-1.0) 06/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	20 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	20 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-04 SB-R-C13-04(4.5-5.0) 06/02/06	AREA II DYNAMITE SB-R-C14-01 SB-R-C14-01(0.5-1.0) 05/18/06	AREA II DYNAMITE SB-R-C14-01 SB-R-C14-01(2.0-2.5) 05/18/06	AREA II DYNAMITE SB-R-C14-02 SB-R-C14-02(0.75-1.25) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	2600 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	720 U	660 U	770 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	720 U	660 U	770 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	720 U	660 U	770 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	720 U	660 U	770 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2100 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	180 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	180 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	180 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	180 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	370 U	350 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	180 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	180 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 UJ	1.54 J	1.08 J	1.11 J
METALS	ARSENIC	MG/KG	NS	20	20	3.20	2.66	1.72 J	3.68
METALS	BERYLLIUM	MG/KG	NS	2	2	0.397 J	0.654	0.645	0.698
METALS	CADMIUM	MG/KG	NS	39	100	0.533 U	2.79 U	2.60 U	2.87 U
METALS	COPPER	MG/KG	NS	600	600	12.6	14.2	15.2	10.9
METALS	LEAD	MG/KG	NS	400	600	2.02 J	4.87	2.91	6.15
METALS	MERCURY	MG/KG	NS	14	270	0.107 U	0.0175 J	0.0050 J	0.0260 J
METALS	NICKEL	MG/KG	NS	250	2400	5.98	11.7	8.42	9.12
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	2.23 U	2.08 U	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	0.533 U	0.557 U	0.521 U	0.573 U
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.23 U	2.08 U	2.29 U
METALS	ZINC	MG/KG	NS	1500	1500	38.0	50.5	32.8	42.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	320 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	320 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	320 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	330 U	320 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	320 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	130000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	6700 U	6400 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	840 UJ	800 UJ	890 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	19 U	18 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	19 U	18 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C13-04 SB-R-C13-04(4.5-5.0) 06/02/06	AREA II DYNAMITE SB-R-C14-01 SB-R-C14-01(0.5-1.0) 05/18/06	AREA II DYNAMITE SB-R-C14-01 SB-R-C14-01(2.0-2.5) 05/18/06	AREA II DYNAMITE SB-R-C14-02 SB-R-C14-02(0.75-1.25) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	19 U	18 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	19 U	18 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	19 U	18 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	19 U	18 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	19 U	18 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	19 U	18 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C14-02 SB-R-C14-02(4.0-4.5) 05/18/06	AREA II DYNAMITE SB-R-C14-03 SB-R-C14-03(0.58-1.08) 06/06/06	AREA II DYNAMITE SB-R-C14-03 SB-R-C14-03(4.0-4.5) 06/06/06	AREA II DYNAMITE SB-R-C14-04 SB-R-C14-04(0.5-1.0) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3300 U	2600 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	810 U	650 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	810 U	650 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	810 U	650 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	810 U	650 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	210 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2500 U	2400 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	210 U	200 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	210 U	200 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	210 U	200 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	210 U	200 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	210 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	410 U	400 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	210 U	200 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	210 U	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	210 U	200 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	210 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	210 U	200 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	210 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	210 U	200 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.12 UJ	2.40 UJ	1.52 J	1.65 J
METALS	ARSENIC	MG/KG	NS	20	20	1.53 J	5.44	5.25	4.20
METALS	BERYLLIUM	MG/KG	NS	2	2	0.521 J	0.544 J	0.791	0.750
METALS	CADMIUM	MG/KG	NS	39	100	0.531 U	0.599 UJ	0.503 J	0.504 J
METALS	COPPER	MG/KG	NS	600	600	12.6	16.3	12.5	10.3
METALS	LEAD	MG/KG	NS	400	600	2.61	159	5.52	6.32
METALS	MERCURY	MG/KG	NS	14	270	0.0074 J	0.696	0.115 U	0.0224 J
METALS	NICKEL	MG/KG	NS	250	2400	7.44	7.27	9.85	9.09
METALS	SELENIUM	MG/KG	NS	63	3100	2.12 U	1.47 J	2.29 U	2.37 U
METALS	SILVER	MG/KG	NS	110	4100	0.531 U	0.599 U	0.572 U	0.591 U
METALS	THALLIUM	MG/KG	NS	2	2	2.12 U	2.40 U	2.29 U	2.37 U
METALS	ZINC	MG/KG	NS	1500	1500	28.4	45.2 J	44.4 J	48.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	370 U	360 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	370 U	360 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	370 U	360 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	320 U	370 U	360 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	370 U	360 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	150000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	7400 U	7100 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 UJ	930 U	890 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	21 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	21 U	20 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C14-02 SB-R-C14-02(4.0-4.5) 05/18/06	AREA II DYNAMITE SB-R-C14-03 SB-R-C14-03(0.58-1.08) 06/06/06	AREA II DYNAMITE SB-R-C14-03 SB-R-C14-03(4.0-4.5) 06/06/06	AREA II DYNAMITE SB-R-C14-04 SB-R-C14-04(0.5-1.0) 06/06/06
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	18 U	21 U	20 U
	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	18 U	21 U	20 U
	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	18 U	21 U	20 U
	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	18 U	21 U	20 U
	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	18 U	21 U	20 U
	TOTAL PCBS		UG/KG	50000	490	2000	18 U	21 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C14-04 SB-R-C14-04(2.0-2.5) 06/06/06	AREA II DYNAMITE SB-R-D12-01 SB-R-D12-01(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-D12-01 SB-R-D12-01(6.5-7.0) 05/30/06	AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(0.5-1.0) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3100 U	2900 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	770 U	740 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	770 U	740 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	770 U	740 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	770 U	740 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2300 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	200 U	190 U	64 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	200 U	190 U	43 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	200 U	190 U	91 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	400 U	380 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	200 U	190 U	100 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.20 UJ	2.36 UJ	2.23 UJ	1.54 J
METALS	ARSENIC	MG/KG	NS	20	20	1.37 J	17.5	1.73 J	19.9
METALS	BERYLLIUM	MG/KG	NS	2	2	0.537 J	0.328 J	0.427 J	0.559 J
METALS	CADMIUM	MG/KG	NS	39	100	0.509 J	2.95 U	2.79 U	3.06 U
METALS	COPPER	MG/KG	NS	600	600	13.5	6.47	8.33	20.7
METALS	LEAD	MG/KG	NS	400	600	2.45	29.6	3.97	1160
METALS	MERCURY	MG/KG	NS	14	270	0.107 U	0.415	0.112 U	0.333
METALS	NICKEL	MG/KG	NS	250	2400	14.2	4.51	4.12	8.19
METALS	SELENIUM	MG/KG	NS	63	3100	2.20 U	2.36 U	2.23 U	2.11 J
METALS	SILVER	MG/KG	NS	110	4100	0.549 U	0.590 U	0.558 U	0.613 U
METALS	THALLIUM	MG/KG	NS	2	2	2.20 U	2.36 U	2.23 U	2.45 U
METALS	ZINC	MG/KG	NS	1500	1500	43.1 J	29.6 J	32.3 J	30.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	360 UJ	340 UJ	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	360 UJ	340 UJ	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	360 UJ	340 UJ	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	360 UJ	340 UJ	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	360 UJ	340 UJ	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 U	140000 U	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	7200 UJ	6800 UJ	7400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	890 UJ	850 UJ	920 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C14-04 SB-R-C14-04(2.0-2.5) 06/06/06	AREA II DYNAMITE SB-R-D12-01 SB-R-D12-01(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-D12-01 SB-R-D12-01(6.5-7.0) 05/30/06	AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(0.5-1.0) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	19 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(2.5-3.0) 06/06/06	AREA II DYNAMITE SB-R-D12-03 SB-R-D12-03(0.75-1.25) 06/12/06	AREA II DYNAMITE SB-R-D12-03 SB-R-D12-03(5.5-6.0) 06/12/06	AREA II DYNAMITE SB-R-D13-01 SB-R-D13-01(0.5-1.0) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3600 U	3200 U	3100 U	3600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	900 U	790 U	780 U	910 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	900 U	790 U	780 U	910 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	900 U	790 U	780 U	910 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	900 U	790 U	780 U	910 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	240 U	210 U	200 U	240 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2900 U	2500 U	2400 U	2900 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	240 U	210 U	200 U	240 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	240 U	97 J	200 U	240 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	240 U	74 J	200 U	240 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	240 U	180 J	200 U	51 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	240 U	83 J	200 U	240 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	240 U	210 U	200 U	240 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	480 U	420 U	400 U	480 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	240 U	110 J	200 U	140 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	240 U	210 U	200 U	240 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	240 U	210 U	200 U	240 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	240 U	210 U	200 U	240 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	240 U	49 J	200 U	240 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	240 U	210 U	200 U	240 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	240 U	210 U	200 U	240 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.81 UJ	1.55 J	1.09 J	2.85 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.47 J	13.4	1.90 J	6.66
METALS	BERYLLIUM	MG/KG	NS	2	2	0.683 J	0.547 J	0.446 J	0.463 J
METALS	CADMIUM	MG/KG	NS	39	100	0.701 U	3.03 UJ	2.85 UJ	3.56 U
METALS	COPPER	MG/KG	NS	600	600	4.67	13.4	10.5	28.3
METALS	LEAD	MG/KG	NS	400	600	31.7	239	2.12 J	3.92
METALS	MERCURY	MG/KG	NS	14	270	0.0152 J	0.168	0.110 U	0.0205 J
METALS	NICKEL	MG/KG	NS	250	2400	4.75	11.2	4.45	13.2
METALS	SELENIUM	MG/KG	NS	63	3100	2.81 U	2.42 U	2.28 U	1.60 J
METALS	SILVER	MG/KG	NS	110	4100	0.701 U	0.606 U	0.570 U	0.712 U
METALS	THALLIUM	MG/KG	NS	2	2	2.81 U	2.42 U	2.28 U	2.85 U
METALS	ZINC	MG/KG	NS	1500	1500	33.0	45.5	32.0	28.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	430 U	380 U	360 U	430 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	430 U	380 U	360 U	430 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	430 U	380 U	360 U	430 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	430 U	380 U	360 U	430 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	430 U	380 U	360 U	430 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	180000 UJ	150000 U	140000 U	170000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8700 U	7600 U	7100 U	8600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1100 U	940 U	890 U	1100 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	25 U	21 U	20 U	24 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	25 U	21 U	20 U	24 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(2.5-3.0) 06/06/06	AREA II DYNAMITE SB-R-D12-03 SB-R-D12-03(0.75-1.25) 06/12/06	AREA II DYNAMITE SB-R-D12-03 SB-R-D12-03(5.5-6.0) 06/12/06	AREA II DYNAMITE SB-R-D13-01 SB-R-D13-01(0.5-1.0) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	25 U	21 U	20 U	24 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	25 U	21 U	20 U	24 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	25 U	21 U	20 U	24 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	25 U	21 U	20 U	24 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	25 U	11 J	20 U	24 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	25 U	11 J	20 U	24 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D13-01 TP-R-D13-01(4.5-5.0) 08/08/06	AREA II DYNAMITE SB-R-D13-02 SB-R-D13-02(1.33-1.83) 06/12/06	AREA II DYNAMITE SB-R-D13-02 SB-R-D13-02(4.42-4.92) 06/12/06	AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3000 U	2900 U	3100 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	750 U	730 U	790 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	750 U	730 U	790 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	750 U	730 U	790 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	750 U	730 U	790 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2300 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	190 U	1600
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	40 J	190 U	230
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	200 U	190 U	240
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	51 J	190 U	290
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	200 U	190 U	170 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	390 U	380 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	46 J	190 U	260
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	200 U	190 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	200 U	190 U	210
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	190 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.14 UJ	2.36 UJ	1.45 J	1.31 J
METALS	ARSENIC	MG/KG	NS	20	20	1.12 J	3.10	15.6	3.64
METALS	BERYLLIUM	MG/KG	NS	2	2	0.532 J	0.517 J	0.214 J	0.681
METALS	CADMIUM	MG/KG	NS	39	100	0.535 U	2.95 UJ	0.558 UJ	3.08 U
METALS	COPPER	MG/KG	NS	600	600	8.74	7.71	114	59.9
METALS	LEAD	MG/KG	NS	400	600	1.61	1.45 J	256	59.4
METALS	MERCURY	MG/KG	NS	14	270	0.109 U	0.730	0.108 U	0.0499 J
METALS	NICKEL	MG/KG	NS	250	2400	4.46	4.21	4.23	8.59
METALS	SELENIUM	MG/KG	NS	63	3100	2.14 U	2.36 U	1.32 J	2.46 U
METALS	SILVER	MG/KG	NS	110	4100	0.535 U	0.590 U	0.558 U	0.616 U
METALS	THALLIUM	MG/KG	NS	2	2	2.14 U	2.36 U	2.23 U	2.46 U
METALS	ZINC	MG/KG	NS	1500	1500	29.5 J	40.1	24.8	76.1 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	350 U	340 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	350 U	340 U	130000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	350 U	340 U	5200
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 U	350 U	340 U	4800
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	350 U	340 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 U	140000 U	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	7100 U	6800 U	7500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	880 U	850 U	930 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D13-01 TP-R-D13-01(4.5-5.0) 08/08/06	AREA II DYNAMITE SB-R-D13-02 SB-R-D13-02(1.33-1.83) 06/12/06	AREA II DYNAMITE SB-R-D13-02 SB-R-D13-02(4.42-4.92) 06/12/06	AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	19 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	19 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(4.5-5.0) 08/08/06	AREA II DYNAMITE SB-R-D14-02 SB-R-D14-02(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-D14-02 SB-R-D14-02(2.0-2.5) 06/06/06	AREA II DYNAMITE SB-R-D14-03 SB-R-D14-03(0.5-1.0) 07/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3200 U	2700 U	18000 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	800 U	690 U	4400 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	800 U	690 U	4400 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	800 U	690 U	4400 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	800 U	690 U	4400 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	210 U	190 U	1100 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2500 U	2200 U	14000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	210 U	190 U	1100 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	210 U	190 U	1100 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	210 U	190 U	1100 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	210 U	190 U	1100 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	210 U	190 U	1100 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	210 U	190 U	1100 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	410 U	370 U	2300 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	210 U	190 U	1100 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	210 U	190 U	1100 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	210 U	190 U	1100 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	210 U	190 U	1100 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	210 U	190 U	1100 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	210 U	190 U	1100 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	210 U	190 U	1100 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.42 UJ	1.14 J	1.06 J	13.4 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.42 U	2.70	1.90 J	13.4 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.445 J	0.500 J	0.450 J	0.524 J
METALS	CADMIUM	MG/KG	NS	39	100	0.606 U	0.210 J	0.179 J	3.36 U
METALS	COPPER	MG/KG	NS	600	600	10.5	7.02	7.38	9.61
METALS	LEAD	MG/KG	NS	400	600	1.48 J	8.52	2.70	13.4
METALS	MERCURY	MG/KG	NS	14	270	0.123 U	0.0393 J	0.106 U	0.674 U
METALS	NICKEL	MG/KG	NS	250	2400	5.37	8.57	7.94	4.94 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.42 U	2.41 U	2.17 U	13.4 U
METALS	SILVER	MG/KG	NS	110	4100	0.606 U	0.603 U	0.542 U	3.36 U
METALS	THALLIUM	MG/KG	NS	2	2	2.42 U	2.41 U	2.17 U	13.4 U
METALS	ZINC	MG/KG	NS	1500	1500	37.9 J	46.7 J	36.6 J	35.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	370 U	340 U	2100 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	370 U	340 U	2100 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	370 U	340 U	2100 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	750 U	370 U	340 U	2100 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	370 U	340 U	2100 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	150000 UJ	130000 UJ	810000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7500 U	7400 U	6700 U	41000 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	940 U	920 U	840 U	5100 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	21 U	19 U	120 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	21 U	19 U	120 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(4.5-5.0) 08/08/06	AREA II DYNAMITE SB-R-D14-02 SB-R-D14-02(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-D14-02 SB-R-D14-02(2.0-2.5) 06/06/06	AREA II DYNAMITE SB-R-D14-03 SB-R-D14-03(0.5-1.0) 07/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	21 U	19 U	120 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	21 U	19 U	120 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	21 U	19 U	120 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	21 U	19 U	120 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	21 U	19 U	120 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	21 U	19 U	120 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(1.25-1.75) 05/08/06	AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(5.0-5.5) 05/08/06	AREA II DYNAMITE SB-R-E11-01 SB-R-E11-01(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-E11-01 SB-R-E11-01(2.5-3.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3000 U	3400 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	750 U	840 U	670 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	750 U	840 U	670 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	750 U	840 U	670 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	750 U	840 U	670 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	950 U	200 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	11000 U	2400 U	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	950 U	200 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	950 U	200 U	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	950 UJ	200 U	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	360 J	200 U	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	950 UJ	200 U	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	950 U	200 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	1900 U	400 U	420 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 J	200 U	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	950 U	200 U	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	950 UJ	200 U	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	950 U	200 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	950 UJ	200 U	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	950 U	200 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	950 U	200 U	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.26 UJ	1.24 J	1.67 J	2.27 UJ
METALS	ARSENIC	MG/KG	NS	20	20	35.7	1.88 J	2.68	1.53 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.507 J	0.522 J	0.521 J	0.537 J
METALS	CADMIUM	MG/KG	NS	39	100	0.124 J	0.188 J	0.613 U	0.751
METALS	COPPER	MG/KG	NS	600	600	15.4	14.6	7.30	12.3
METALS	LEAD	MG/KG	NS	400	600	21.5	1.90 J	55.3	2.23 J
METALS	MERCURY	MG/KG	NS	14	270	0.0665 J	0.0049 J	0.0352 J	0.108 U
METALS	NICKEL	MG/KG	NS	250	2400	10.8	9.74	7.16	7.58
METALS	SELENIUM	MG/KG	NS	63	3100	2.26 U	2.31 U	2.45 U	2.27 U
METALS	SILVER	MG/KG	NS	110	4100	0.566 U	0.577 U	0.613 U	0.292 J
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	1.23 J	2.45 U	2.27 U
METALS	ZINC	MG/KG	NS	1500	1500	33.1	56.6	48.1	38.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	360 UJ	380 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	360 UJ	380 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	360 UJ	380 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 UJ	360 UJ	380 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	360 UJ	380 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 UJ	7200 UJ	7600 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 UJ	900 UJ	950 UJ	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	21 U	20 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(1.25-1.75) 05/08/06	AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(5.0-5.5) 05/08/06	AREA II DYNAMITE SB-R-E11-01 SB-R-E11-01(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-E11-01 SB-R-E11-01(2.5-3.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	21 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	21 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	21 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20	20 U	21 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	7.9 J	20 U	21 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	27.9 J	20 U	21 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E11-02 SB-R-E11-02(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-E11-02 SB-R-E11-02(2.25-2.75) 05/17/06	AREA II DYNAMITE SB-R-E11-04 SB-R-E11-04(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E11-04 SB-R-E11-04(4.5-5.0) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2800 U	2900 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	800 U	700 U	720 U	800 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	700 U	720 U	800 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	700 U	720 U	800 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	700 U	720 U	800 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2300 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	190 U	350	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	190 U	240	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	64 J	190 U	410	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	190 U	170 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	390 U	380 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	190 U	320	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	190 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	190 U	41 J	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	190 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	190 U	120 J	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	190 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.59 UJ	2.22 UJ	2.24 UJ	1.55 J
METALS	ARSENIC	MG/KG	NS	20	20	3.03	1.48 J	11.2	2.89
METALS	BERYLLIUM	MG/KG	NS	2	2	0.595 J	0.532 J	0.600	0.645
METALS	CADMIUM	MG/KG	NS	39	100	0.836	0.944	2.80 UJ	0.592 UJ
METALS	COPPER	MG/KG	NS	600	600	8.56	9.36	14.1	11.0
METALS	LEAD	MG/KG	NS	400	600	262	2.35	14.1	4.26
METALS	MERCURY	MG/KG	NS	14	270	0.0629 J	0.0033 J	0.0209 J	0.117 U
METALS	NICKEL	MG/KG	NS	250	2400	6.38	6.18	6.89	5.79
METALS	SELENIUM	MG/KG	NS	63	3100	2.59 U	2.22 U	2.24 U	2.37 U
METALS	SILVER	MG/KG	NS	110	4100	0.646 U	0.556 U	0.559 U	0.592 U
METALS	THALLIUM	MG/KG	NS	2	2	2.59 U	2.22 U	2.24 U	2.37 U
METALS	ZINC	MG/KG	NS	1500	1500	64.0 J	40.8 J	54.4	48.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	350 U	350 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	350 U	350 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	350 U	350 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	350 U	350 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	350 U	350 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	90000 J	140000 UJ	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	4100 J	6900 U	6900 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	870 U	860 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	20 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	20 U	20 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E11-02 SB-R-E11-02(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-E11-02 SB-R-E11-02(2.25-2.75) 05/17/06	AREA II DYNAMITE SB-R-E11-04 SB-R-E11-04(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E11-04 SB-R-E11-04(4.5-5.0) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	20 U	8.0 J	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	20 U	6.1 J	24
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	20 U	14.1 J	24

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E12-01 SB-R-E12-01(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E12-01 SB-R-E12-01(3.0-3.5) 05/26/06	AREA II DYNAMITE SB-R-E12-02 SB-R-E12-02(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E12-02 SB-R-E12-02(2.0-2.5) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	2800 U	3400 UJ	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	840 U	700 U	840 UJ	770 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	840 U	700 U	840 UJ	770 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	840 U	700 U	840 UJ	770 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	840 U	700 U	840 UJ	770 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	220 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2300 U	2600 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	220 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	190 U	220 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	190 U	220 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	190 U	220 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	190 U	220 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	220 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	380 U	440 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	190 U	220 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	220 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	190 U	220 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	220 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	190 U	220 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	220 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	220 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.49 UJ	2.31 UJ	2.54 UJ	2.36 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.60	3.48	1.98 J	2.44
METALS	BERYLLIUM	MG/KG	NS	2	2	0.501 J	0.716	0.404 J	0.571 J
METALS	CADMIUM	MG/KG	NS	39	100	0.622 UJ	2.88 UJ	0.635 UJ	2.95 UJ
METALS	COPPER	MG/KG	NS	600	600	4.07	14.5	5.71	16.6
METALS	LEAD	MG/KG	NS	400	600	5.44	2.14 J	11.4	2.17 J
METALS	MERCURY	MG/KG	NS	14	270	0.0245 J	0.110 U	0.0244 J	0.114 U
METALS	NICKEL	MG/KG	NS	250	2400	5.96	5.57	5.97	6.88
METALS	SELENIUM	MG/KG	NS	63	3100	2.49 U	2.31 U	2.54 U	2.36 U
METALS	SILVER	MG/KG	NS	110	4100	0.622 U	0.577 U	0.635 U	0.591 U
METALS	THALLIUM	MG/KG	NS	2	2	2.49 U	2.31 U	2.54 U	2.36 U
METALS	ZINC	MG/KG	NS	1500	1500	30.5	36.5	38.0	39.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	350 U	400 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U	350 U	400 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	350 U	400 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	380 U	350 U	400 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 U	350 U	400 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 UJ	160000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7700 U	6900 U	7900 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	960 U	870 U	990 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	20 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	20 U	22 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E12-01 SB-R-E12-01(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E12-01 SB-R-E12-01(3.0-3.5) 05/26/06	AREA II DYNAMITE SB-R-E12-02 SB-R-E12-02(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E12-02 SB-R-E12-02(2.0-2.5) 05/26/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	20 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	20 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	20 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	20 U	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	39	20 U	22 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	39	20 U	22 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E12-03 SB-R-E12-03(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-E12-03 SB-R-E12-03(3.0-3.5) 05/30/06	AREA II DYNAMITE SB-R-E12-04 SB-R-E12-04(0.5-1.0) 06/08/06	AREA II DYNAMITE SB-R-E12-04 SB-R-E12-04(2.0-2.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	2800 U	3200 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	860 U	700 U	800 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	860 U	700 U	800 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	860 U	700 U	800 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	860 U	700 U	800 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	180 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2200 U	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	180 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	45 J	180 U	49 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	50 J	180 U	50 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	90 J	180 U	59 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	180 U	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	180 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	370 U	420 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	44 J	180 U	51 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	180 U	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	180 U	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	180 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	180 U	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	180 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	180 U	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.57 UJ	2.12 UJ	2.53 UJ	1.60 J
METALS	ARSENIC	MG/KG	NS	20	20	4.22	2.96	2.34 J	12.9
METALS	BERYLLIUM	MG/KG	NS	2	2	0.548 J	0.802	0.627 J	0.523 J
METALS	CADMIUM	MG/KG	NS	39	100	0.643 U	2.64 U	3.17 UJ	2.85 UJ
METALS	COPPER	MG/KG	NS	600	600	8.81	21.2	13.4	12.8
METALS	LEAD	MG/KG	NS	400	600	20.3	3.40	1.77 J	226
METALS	MERCURY	MG/KG	NS	14	270	0.0549 J	0.106 U	0.0234 J	0.110 U
METALS	NICKEL	MG/KG	NS	250	2400	7.13	9.30	6.97	10.6
METALS	SELENIUM	MG/KG	NS	63	3100	2.57 U	2.12 U	2.53 U	2.28 U
METALS	SILVER	MG/KG	NS	110	4100	0.643 U	0.529 U	0.634 U	0.571 U
METALS	THALLIUM	MG/KG	NS	2	2	2.57 U	2.12 U	2.53 U	2.28 U
METALS	ZINC	MG/KG	NS	1500	1500	59.3 J	60.2 J	41.4	43.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 UJ	330 UJ	380 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 UJ	330 UJ	380 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 UJ	330 UJ	380 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 UJ	330 UJ	380 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 UJ	330 UJ	380 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	130000 U	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7900 UJ	6600 UJ	7600 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 UJ	830 UJ	950 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U

Table B3-3

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E12-03 SB-R-E12-03(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-E12-03 SB-R-E12-03(3.0-3.5) 05/30/06	AREA II DYNAMITE SB-R-E12-04 SB-R-E12-04(0.5-1.0) 06/08/06	AREA II DYNAMITE SB-R-E12-04 SB-R-E12-04(2.0-2.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	19 U	22 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E13-01 SB-R-E13-01(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E13-01 SB-R-E13-01(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(5.0-5.5) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	2900 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	740 U	710 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	740 U	710 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	740 U	710 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	740 U	710 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	61 J	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	69 J	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 J	190 U	42 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	60 J	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	390 U	390 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	83 J	190 U	73 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	50 J	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.18 UJ	2.27 UJ	2.32 UJ	2.29 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.48	2.27 U	25.4	1.74 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.483 J	0.196 J	1.46	0.642
METALS	CADMIUM	MG/KG	NS	39	100	2.72 UJ	0.569 UJ	0.579 U	0.573 U
METALS	COPPER	MG/KG	NS	600	600	16.1	4.19	16.6	10.3
METALS	LEAD	MG/KG	NS	400	600	17.4	1.30 J	10.2	1.51 J
METALS	MERCURY	MG/KG	NS	14	270	0.0978 J	0.108 U	1.69	0.112 U
METALS	NICKEL	MG/KG	NS	250	2400	8.90	2.72	6.73	5.32
METALS	SELENIUM	MG/KG	NS	63	3100	2.18 U	2.27 U	1.57 J	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	0.545 U	0.569 U	0.291 J	0.212 J
METALS	THALLIUM	MG/KG	NS	2	2	2.18 U	2.27 U	2.32 U	2.29 U
METALS	ZINC	MG/KG	NS	1500	1500	45.6	23.3	15.9 J	32.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	350 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	350 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	350 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	350 U	350 UJ	350 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	350 U	350 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	7000 U	7000 UJ	7000 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	870 U	870 UJ	880 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E13-01 SB-R-E13-01(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-E13-01 SB-R-E13-01(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(5.0-5.5) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E13-03 SB-R-E13-03(0.5-1.0) 06/02/06	AREA II DYNAMITE SB-R-E13-03 SB-R-E13-03(5.0-5.5) 06/02/06	AREA II DYNAMITE SB-R-E13-04 SB-R-E13-04(1.0-1.5) 06/08/06	AREA II DYNAMITE SB-R-E13-04 SB-R-E13-04(2.0-2.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3900 U	2900 U	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	980 U	720 U	760 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	980 U	720 U	760 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	980 U	720 U	760 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	980 U	720 U	760 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	250 U	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	3000 U	2300 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	250 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	120 J	190 U	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	300	190 U	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	500	190 U	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	150 J	190 U	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	250 U	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	500 U	390 U	390 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	310	190 U	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	250 U	190 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	82 J	190 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	250 U	190 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 J	190 U	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	250 U	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	250 U	190 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.99 UJ	2.23 UJ	1.28 J	2.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	19.8	1.28 J	1.34 J	2.67
METALS	BERYLLIUM	MG/KG	NS	2	2	0.616 J	0.423 J	0.654	0.578 J
METALS	CADMIUM	MG/KG	NS	39	100	0.747 U	0.558 U	2.83 UJ	0.588 UJ
METALS	COPPER	MG/KG	NS	600	600	66.0	5.95	13.0	4.30
METALS	LEAD	MG/KG	NS	400	600	44.9	1.52 J	1.94 J	5.79
METALS	MERCURY	MG/KG	NS	14	270	0.444	0.115 U	0.111 U	0.109 U
METALS	NICKEL	MG/KG	NS	250	2400	13.5	2.71	6.99	4.46
METALS	SELENIUM	MG/KG	NS	63	3100	2.99 U	2.23 U	2.27 U	2.35 U
METALS	SILVER	MG/KG	NS	110	4100	0.747 U	0.558 U	0.566 U	0.588 U
METALS	THALLIUM	MG/KG	NS	2	2	2.99 U	2.23 U	2.27 U	2.35 U
METALS	ZINC	MG/KG	NS	1500	1500	87.4	21.9	42.9	14.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	450 U	350 UJ	350 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	450 U	350 UJ	350 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	450 U	350 UJ	350 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	450 U	350 UJ	350 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	450 U	350 UJ	350 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	180000 UJ	140000 UJ	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	9000 U	7000 UJ	7000 U	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1100 U	870 UJ	880 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	25 U	20 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	25 U	20 U	20 U	20 U

Table B3-3

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E13-03 SB-R-E13-03(0.5-1.0) 06/02/06	AREA II DYNAMITE SB-R-E13-03 SB-R-E13-03(5.0-5.5) 06/02/06	AREA II DYNAMITE SB-R-E13-04 SB-R-E13-04(1.0-1.5) 06/08/06	AREA II DYNAMITE SB-R-E13-04 SB-R-E13-04(2.0-2.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	25 U	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	25 U	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	25 U	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	25 U	20 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	25 U	20 U	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	25 U	20 U	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E14-01 SB-R-E14-01(1.0-1.5) 06/05/06	AREA II DYNAMITE SB-R-E14-01 SB-R-E14-01(2.17-2.67) 06/05/06	AREA II DYNAMITE SB-R-E14-02 SB-R-E14-02(0.5-1.0) 07/06/06	AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(0.5-1.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3000 U	19000 UJ	3500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	750 U	4800 UJ	870 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	750 U	4800 UJ	870 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	750 U	4800 UJ	870 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	750 U	4800 UJ	870 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	1300 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2300 U	15000 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	1300 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	190 U	1300 U	400
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	190 U	1300 U	340
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	190 U	1300 U	870
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	190 U	1300 U	350
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	1300 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	390 U	2500 U	450 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	190 U	1300 U	460
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	1300 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	190 U	1300 U	85 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	1300 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	190 U	1300 U	230
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	1300 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	1300 U	220 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.45 UJ	2.31 UJ	14.7 UJ	3.48 J
METALS	ARSENIC	MG/KG	NS	20	20	2.45 U	2.31 U	9.96 J	351
METALS	BERYLLIUM	MG/KG	NS	2	2	0.364 J	0.418 J	3.69 U	0.662
METALS	CADMIUM	MG/KG	NS	39	100	0.612 UJ	2.89 UJ	0.995 J	0.654 U
METALS	COPPER	MG/KG	NS	600	600	2.67 J	9.25 J	15.7	69.9
METALS	LEAD	MG/KG	NS	400	600	3.82	2.10 J	151	143
METALS	MERCURY	MG/KG	NS	14	270	0.0203 J	0.109 U	0.124 J	0.269 J
METALS	NICKEL	MG/KG	NS	250	2400	6.50 J	6.37 J	7.37 U	13.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.45 U	2.31 U	8.49 J	2.16 J
METALS	SILVER	MG/KG	NS	110	4100	0.233 J	0.258 J	3.69 U	0.654 U
METALS	THALLIUM	MG/KG	NS	2	2	2.45 UJ	1.97 J	14.7 U	2.62 U
METALS	ZINC	MG/KG	NS	1500	1500	23.1 J	76.9 J	357 J	208
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	350 U	2300 UJ	400 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	350 U	2300 UJ	400 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	350 U	2300 UJ	400 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	350 U	2300 UJ	400 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	350 U	2300 UJ	400 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	140000 UJ	890000 U	160000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7500 U	7000 U	45000 UJ	8000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	940 UJ	880 UJ	5600 UJ	1000 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	130 U	23 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	130 U	23 U

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-E14-01 SB-R-E14-01(1.0-1.5) 06/05/06	AREA II DYNAMITE SB-R-E14-01 SB-R-E14-01(2.17-2.67) 06/05/06	AREA II DYNAMITE SB-R-E14-02 SB-R-E14-02(0.5-1.0) 07/06/06	AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(0.5-1.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	130 U	23 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	130 U	23 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	130 U	23 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	130 U	140
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	20 U	130 U	46 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	20 U	130 U	186 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(5.25-5.75) 05/17/06	AREA II DYNAMITE SB-R-F12-01 SB-R-F12-01(1.0-1.5) 05/16/06	AREA II DYNAMITE SB-R-F12-01 SB-R-F12-01(2.5-3.0) 05/16/06	AREA II DYNAMITE SB-R-F12-02 SB-R-F12-02(0.5-1.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2800 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	700 U	690 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	700 U	690 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	700 U	690 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	700 U	690 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	180 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	180 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	180 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	180 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	360 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	180 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	180 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.28 UJ	2.29 UJ	2.10 UJ	2.36 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.10 J	1.95 J	2.10 U	2.62
METALS	BERYLLIUM	MG/KG	NS	2	2	0.707	0.612	0.347 J	0.633
METALS	CADMIUM	MG/KG	NS	39	100	2.85 U	0.984	0.595	0.937
METALS	COPPER	MG/KG	NS	600	600	15.2	10.2 J	12.5 J	8.60
METALS	LEAD	MG/KG	NS	400	600	2.17 J	4.66	1.98 J	6.43
METALS	MERCURY	MG/KG	NS	14	270	0.113 UJ	0.0663 J	0.0064 J	0.0296 J
METALS	NICKEL	MG/KG	NS	250	2400	10.5	8.28 J	6.09 J	8.03
METALS	SELENIUM	MG/KG	NS	63	3100	2.28 U	1.13 J	2.10 U	2.36 U
METALS	SILVER	MG/KG	NS	110	4100	0.570 U	0.269 J	0.241 J	0.589 U
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U	2.29 U	2.10 U	2.36 U
METALS	ZINC	MG/KG	NS	1500	1500	58.0	63.0 J	31.3 J	57.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	330 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	330 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	330 U	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	330 U	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	330 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6900 U	6600 U	7400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 UJ	860 U	820 U	920 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U	21 U

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(5.25-5.75) 05/17/06	AREA II DYNAMITE SB-R-F12-01 SB-R-F12-01(1.0-1.5) 05/16/06	AREA II DYNAMITE SB-R-F12-01 SB-R-F12-01(2.5-3.0) 05/16/06	AREA II DYNAMITE SB-R-F12-02 SB-R-F12-02(0.5-1.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	19 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	19 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F12-02 SB-R-F12-02(2.0-2.5) 05/17/06	AREA II DYNAMITE SB-R-F12-03 SB-R-F12-03(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-F12-03 SB-R-F12-03(2.0-2.5) 05/26/06	AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(0.5-1.0) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3000 U	3600 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	780 U	740 U	890 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	780 U	740 U	890 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	780 U	740 U	890 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	780 U	740 U	890 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	190 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2400 U	2300 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	190 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	200 U	190 U	220 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	200 U	190 U	220 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	200 U	190 U	220 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	200 U	190 U	220 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	190 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	400 U	390 U	450 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	200 U	190 U	220 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	190 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	200 U	190 U	220 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	190 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	200 U	190 U	220 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	190 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	190 U	220 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.24 UJ	1.46 J	2.28 UJ	2.64 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.24 U	4.98	3.55	1.80 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.424 J	0.494 J	0.679	0.470 J
METALS	CADMIUM	MG/KG	NS	39	100	0.814	3.00 UJ	2.85 UJ	0.660 U
METALS	COPPER	MG/KG	NS	600	600	10.7	12.6	14.0	3.45
METALS	LEAD	MG/KG	NS	400	600	1.81 J	17.6	4.20	12.6
METALS	MERCURY	MG/KG	NS	14	270	0.107 U	0.0569 J	0.111 U	0.0436 J
METALS	NICKEL	MG/KG	NS	250	2400	7.15	7.82	9.17	4.06
METALS	SELENIUM	MG/KG	NS	63	3100	2.24 U	2.40 U	2.28 U	2.64 U
METALS	SILVER	MG/KG	NS	110	4100	0.559 U	0.601 U	0.569 U	0.239 J
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U	2.40 U	2.28 U	2.64 U
METALS	ZINC	MG/KG	NS	1500	1500	45.7 J	43.7	43.3	23.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	360 U	350 U	400 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	360 U	350 U	400 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	360 U	350 U	400 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	360 U	350 U	400 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	360 U	350 U	400 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	150000 U	140000 U	160000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	7300 U	7000 U	8100 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	910 U	870 U	1000 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	21 U	20 U	23 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	21 U	20 U	23 U

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F12-02 SB-R-F12-02(2.0-2.5) 05/17/06	AREA II DYNAMITE SB-R-F12-03 SB-R-F12-03(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-F12-03 SB-R-F12-03(2.0-2.5) 05/26/06	AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(0.5-1.0) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	21 U	20 U	23 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	21 U	20 U	23 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	21 U	20 U	23 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	7.5 J	20 U	23 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	7.3 J	46	23 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	14.8 J	46	23 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(2.5-3.0) 05/30/06	AREA II DYNAMITE SB-R-F12-04 TP-R-F12-04(4.5-5.0) 08/01/06	AREA II DYNAMITE SB-R-F13-01 SB-R-F13-01(1.5-2.0) 05/17/06	AREA II DYNAMITE SB-R-F13-01 SB-R-F13-01(4.0-4.5) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3600 UJ	NA	3300 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	890 UJ	NA	830 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	890 UJ	NA	830 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	890 UJ	NA	830 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	890 UJ	NA	830 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	NA	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2700 U	NA	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	NA	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	NA	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	NA	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	NA	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	NA	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	NA	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	450 U	NA	420 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	NA	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	NA	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	NA	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	NA	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	NA	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	NA	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	NA	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.60 UJ	1.19 J	2.43 UJ	2.29 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.63 J	2.39 U	2.88	2.29 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.828	0.454 J	0.352 J	0.433 J
METALS	CADMIUM	MG/KG	NS	39	100	0.649 U	0.597 U	0.397 J	0.920
METALS	COPPER	MG/KG	NS	600	600	10.3	11.7 J	46.3	12.5
METALS	LEAD	MG/KG	NS	400	600	11.0	5.15 J	27.1	2.13 J
METALS	MERCURY	MG/KG	NS	14	270	0.0265 J	0.121 U	0.0355 J	0.0047 J
METALS	NICKEL	MG/KG	NS	250	2400	11.1	9.61	6.21	6.26
METALS	SELENIUM	MG/KG	NS	63	3100	2.60 U	2.39 U	2.43 U	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	0.649 U	0.597 U	0.607 U	0.219 J
METALS	THALLIUM	MG/KG	NS	2	2	2.04 J	2.39 U	2.43 U	2.29 U
METALS	ZINC	MG/KG	NS	1500	1500	43.6 J	39.5 J	32.1 J	42.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 UJ	NA	380 U	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 UJ	NA	380 U	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 UJ	NA	380 U	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	400 UJ	NA	380 U	340 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	400 UJ	NA	380 U	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	NA	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8000 UJ	NA	7600 U	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 UJ	NA	950 U	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 U	NA	21 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	NA	21 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(2.5-3.0) 05/30/06	AREA II DYNAMITE SB-R-F12-04 TP-R-F12-04(4.5-5.0) 08/01/06	AREA II DYNAMITE SB-R-F13-01 SB-R-F13-01(1.5-2.0) 05/17/06	AREA II DYNAMITE SB-R-F13-01 SB-R-F13-01(4.0-4.5) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	NA	21 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	23 U	NA	21 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	NA	21 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	23 U	NA	21 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	23 U	NA	21 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	23 U	NA	21 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Kenvil Works Facility, New Jersey

			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F13-02 SB-R-F13-02(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-F13-02 SB-R-F13-02(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-F13-03 SB-R-F13-03(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-F13-03 SB-R-F13-03(4.5-5.0) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 UJ	2800 U	3300 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	840 UJ	700 U	830 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	840 UJ	700 U	830 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	840 UJ	700 U	830 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	840 UJ	700 U	830 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	220 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2300 U	2600 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	220 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	190 U	220 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	190 U	220 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	190 U	220 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	190 U	220 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	220 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	380 U	430 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	190 U	220 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	220 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	190 U	220 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	220 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	190 U	220 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	220 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	220 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.51 UJ	2.21 UJ	2.56 UJ	2.29 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.75	1.28 J	1.92 J	1.47 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.583 J	0.433 J	0.591 J	0.491 J
METALS	CADMIUM	MG/KG	NS	39	100	3.14 UJ	0.552 UJ	3.20 U	0.573 U
METALS	COPPER	MG/KG	NS	600	600	8.92	9.03	9.11	9.13
METALS	LEAD	MG/KG	NS	400	600	6.14	1.72 J	16.0	1.85 J
METALS	MERCURY	MG/KG	NS	14	270	0.0372 J	0.108 U	0.0303 J	0.111 U
METALS	NICKEL	MG/KG	NS	250	2400	7.19	4.29	6.34	6.26
METALS	SELENIUM	MG/KG	NS	63	3100	2.51 U	2.21 U	2.56 U	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	0.628 U	0.552 U	0.288 J	0.336 J
METALS	THALLIUM	MG/KG	NS	2	2	2.51 U	2.21 U	2.56 U	2.29 U
METALS	ZINC	MG/KG	NS	1500	1500	67.6	31.9	54.4 J	52.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	340 U	390 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U	340 U	390 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	340 U	390 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	380 U	340 U	390 UJ	340 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 U	340 U	390 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	140000 U	160000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7700 U	6800 U	7800 UJ	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	960 U	840 U	980 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F13-02 SB-R-F13-02(0.5-1.0) 05/26/06	AREA II DYNAMITE SB-R-F13-02 SB-R-F13-02(4.5-5.0) 05/26/06	AREA II DYNAMITE SB-R-F13-03 SB-R-F13-03(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-F13-03 SB-R-F13-03(4.5-5.0) 05/30/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	19 U	22 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	19 U	22 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F13-04 SB-R-F13-04(0.5-1.0) 06/08/06	AREA II DYNAMITE SB-R-F13-04 SB-R-F13-04(2.5-3.0) 06/08/06	AREA II DYNAMITE SB-R-F14-01 SB-R-F14-01(0.5-1.0) 06/05/06	AREA II DYNAMITE SB-R-F14-01 SB-R-F14-01(2.0-2.5) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	2900 U	3500 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	850 U	730 U	880 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	850 U	730 U	880 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	850 U	730 U	880 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	850 U	730 U	880 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	230 U	190 U	230 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2700 U	2300 U	2800 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	230 U	190 U	230 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	230 U	190 U	230 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	230 U	190 U	230 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	230 U	190 U	230 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	230 U	190 U	230 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	230 U	190 U	230 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	450 U	380 U	460 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	230 U	190 U	230 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	230 U	190 U	230 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	230 U	190 U	230 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	230 U	190 U	230 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	230 U	190 U	230 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	230 U	190 U	230 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	230 U	190 U	230 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.68 UJ	2.27 UJ	2.67 UJ	2.21 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.92	1.41 J	2.33 J	2.21 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.482 J	0.406 J	0.507 J	0.277 J
METALS	CADMIUM	MG/KG	NS	39	100	0.669 U	0.567 UJ	0.669 U	0.553 UJ
METALS	COPPER	MG/KG	NS	600	600	3.75 J	10.4	5.40	5.53 J
METALS	LEAD	MG/KG	NS	400	600	4.06	1.28 J	6.33	1.15 J
METALS	MERCURY	MG/KG	NS	14	270	0.0311 J	0.110 U	0.0258 J	0.107 U
METALS	NICKEL	MG/KG	NS	250	2400	4.96 J	4.19	6.11	2.76 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.68 U	2.27 U	2.67 U	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.669 U	0.567 U	0.669 U	0.198 J
METALS	THALLIUM	MG/KG	NS	2	2	2.68 U	2.27 U	2.67 U	2.21 U
METALS	ZINC	MG/KG	NS	1500	1500	32.6	28.2	41.6 J	21.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	410 U	340 U	420 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	410 U	340 U	420 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	410 U	340 U	420 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	410 U	340 U	420 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	410 U	340 U	420 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	140000 U	170000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8200 U	6800 U	8300 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 UJ	850 U	1000 U	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 U	19 U	24 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	19 U	24 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F13-04 SB-R-F13-04(0.5-1.0) 06/08/06	AREA II DYNAMITE SB-R-F13-04 SB-R-F13-04(2.5-3.0) 06/08/06	AREA II DYNAMITE SB-R-F14-01 SB-R-F14-01(0.5-1.0) 06/05/06	AREA II DYNAMITE SB-R-F14-01 SB-R-F14-01(2.0-2.5) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	19 U	24 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	23 U	19 U	24 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	19 U	24 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	23 U	19 U	24 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	23 U	19 U	24 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	23 U	19 U	24 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F14-02 SB-R-F14-02(0.5-1.0) 06/07/06	AREA II DYNAMITE SB-R-F14-02 SB-R-F14-02(2.0-2.5) 06/07/06	AREA II DYNAMITE SB-R-G12-04 SB-R-G12-04(0.5-1.0) 05/16/06	AREA II DYNAMITE SB-R-G12-04 SB-R-G12-04(2.5-3.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2700 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	680 U	780 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	680 U	780 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	680 U	780 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	680 U	780 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	65 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	71 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	120 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	47 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	99 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	49 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.08 J	2.27 UJ	2.34 UJ	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.84	2.54	18.3	0.896 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.457 J	0.487 J	0.611	0.412 J
METALS	CADMIUM	MG/KG	NS	39	100	2.83 U	0.566 U	1.15	0.766
METALS	COPPER	MG/KG	NS	600	600	3.47 J	7.56 J	15.9 J	31.2 J
METALS	LEAD	MG/KG	NS	400	600	2.94	1.46 J	53.5	2.15 J
METALS	MERCURY	MG/KG	NS	14	270	0.0139 J	0.0359 J	0.215	0.109 U
METALS	NICKEL	MG/KG	NS	250	2400	4.07 J	4.84 J	11.1 J	7.60 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.27 U	2.27 U	2.34 U	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	0.566 U	0.566 U	0.313 J	0.243 J
METALS	THALLIUM	MG/KG	NS	2	2	2.27 U	2.27 U	2.34 U	2.17 U
METALS	ZINC	MG/KG	NS	1500	1500	35.8	27.2	244 J	32.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6800 U	7000 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	850 UJ	880 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B3-3

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-F14-02 SB-R-F14-02(0.5-1.0) 06/07/06	AREA II DYNAMITE SB-R-F14-02 SB-R-F14-02(2.0-2.5) 06/07/06	AREA II DYNAMITE SB-R-G12-04 SB-R-G12-04(0.5-1.0) 05/16/06	AREA II DYNAMITE SB-R-G12-04 SB-R-G12-04(2.5-3.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	4.6 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	4.6 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-G13-01 SB-R-G13-01(0.5-1.0) 05/16/06	AREA II DYNAMITE SB-R-G13-01 SB-R-G13-01(5.5-6.0) 05/16/06	AREA II DYNAMITE SB-R-G14-02 SB-R-G14-02(0.75-1.25) 06/07/06	AREA II DYNAMITE SB-R-G14-02 SB-R-G14-02(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	730 U	780 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	730 U	780 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	730 U	780 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	730 U	780 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2600 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220	190 U	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	230	190 U	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	380	190 U	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	140 J	190 U	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	380 U	430 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	330	190 U	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	43 J	190 U	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	140 J	190 U	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.22 UJ	2.16 UJ	2.52 UJ	1.08 J
METALS	ARSENIC	MG/KG	NS	20	20	6.64	1.87 J	3.11	4.30
METALS	BERYLLIUM	MG/KG	NS	2	2	0.357 J	0.671	0.567 J	0.604
METALS	CADMIUM	MG/KG	NS	39	100	0.431 J	0.930	0.630 U	2.81 U
METALS	COPPER	MG/KG	NS	600	600	13.2	14.0	4.14 J	11.3 J
METALS	LEAD	MG/KG	NS	400	600	13.8	4.64	8.03	2.83
METALS	MERCURY	MG/KG	NS	14	270	0.115	0.0039 J	0.0321 J	0.106 U
METALS	NICKEL	MG/KG	NS	250	2400	6.43	10.1	4.92 J	8.06 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.22 U	2.16 U	2.52 U	2.25 U
METALS	SILVER	MG/KG	NS	110	4100	0.555 U	0.248 J	0.241 J	0.563 U
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.16 U	2.52 U	2.25 U
METALS	ZINC	MG/KG	NS	1500	1500	10.5 J	57.0 J	41.4	42.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	390 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	390 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	390 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	340 U	390 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	340 U	390 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	6800 U	7700 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	850 U	960 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE SB-R-G13-01 SB-R-G13-01(0.5-1.0) 05/16/06	AREA II DYNAMITE SB-R-G13-01 SB-R-G13-01(5.5-6.0) 05/16/06	AREA II DYNAMITE SB-R-G14-02 SB-R-G14-02(0.75-1.25) 06/07/06	AREA II DYNAMITE SB-R-G14-02 SB-R-G14-02(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	11 J	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	11 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE TP-R-C13-666-1 TP-R-C13-666-1(1.0-1.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-1 TP-R-C13-666-1(6.5-7.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(1.0-1.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(6.5-7.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	42000 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	500000 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	4500	200 U	350000	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	270	200 U	42000 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	300	200 U	42000 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	390	200 U	42000 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 J	200 U	42000 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	42000 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	390 U	83000 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	310	200 U	42000 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	42000 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	50 J	200 U	42000 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	42000 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210	200 U	42000 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	42000 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	42000 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	980	350 U	300 UJ	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	4000000 J	40000 J	120000000 J	7300 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	24000	230 J	2100 J	380 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	29000 J	710 U	630 J	750 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	150 J	350 U	190 J	380 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	1100000	140000 U	28000000	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	130000 J	3300 J	10000 J	7500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	880 U	3900 J	940 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE TP-R-C13-666-1 TP-R-C13-666-1(1.0-1.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-1 TP-R-C13-666-1(6.5-7.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(1.0-1.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(6.5-7.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(0.5-1.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(6.5-7.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(0.5-1.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(7.0-7.5) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	200 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	200 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	200 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	200 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	400 U	370 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	200 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	200 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	200 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	360 U	180 J	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 J	410 J	15000 J	2500 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	360 U	1700	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 U	720 U	1700	690 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	360 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	7200 U	11000 J	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	910 U	830 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(0.5-1.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(6.5-7.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(0.5-1.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(7.0-7.5) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE TP-R-C13-666-5 TP-R-C13-666-5(0.5-1.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-5 TP-R-C13-666-5(7.5-8.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	10000	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	290 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	420 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	650 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 UJ	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	330 UJ	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	360 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 UJ	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	74 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	310 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 UJ	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	2300 J	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	20000000 J	4000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	8200 J	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	6700 J	690 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	570 J	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	3300000	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	48000 J	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	750 U	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA

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			Area Former Operational Area Location ID Field Id Sample Date			AREA II DYNAMITE TP-R-C13-666-5 TP-R-C13-666-5(0.5-1.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-5 TP-R-C13-666-5(7.5-8.0) 08/17/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	NA	NA
PCBS	TOTAL PCBS		UG/KG	50000	490	2000	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-A14-01 SB-R-A14-01(0.5-1.0) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-A14-01 SB-R-A14-01(2.0-2.5) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-02 SB-R-B14-02(0.5-1.0) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	3000 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	850 U	740 U	810 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	850 U	740 U	810 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	850 U	740 U	810 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	850 U	740 U	810 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	380 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.38 UJ	1.07 J	2.42 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.55	3.48	2.85
METALS	BERYLLIUM	MG/KG	NS	2	2	0.711	0.857	0.817
METALS	CADMIUM	MG/KG	NS	39	100	2.97 U	2.79 U	0.606 U
METALS	COPPER	MG/KG	NS	600	600	10.4	14.6	9.20
METALS	LEAD	MG/KG	NS	400	600	11.0	4.38	10.4
METALS	MERCURY	MG/KG	NS	14	270	0.0352 J	0.0094 J	0.0751 J
METALS	NICKEL	MG/KG	NS	250	2400	8.74	10.6	7.43
METALS	SELENIUM	MG/KG	NS	63	3100	2.38 U	2.23 U	2.42 U
METALS	SILVER	MG/KG	NS	110	4100	0.595 U	0.558 U	0.606 U
METALS	THALLIUM	MG/KG	NS	2	2	2.38 U	2.23 U	2.42 U
METALS	ZINC	MG/KG	NS	1500	1500	59.7	41.6	53.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	340 U	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 U	6800 U	7500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 UJ	850 UJ	940 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	21 U

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-A14-01 SB-R-A14-01(0.5-1.0) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-A14-01 SB-R-A14-01(2.0-2.5) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-02 SB-R-B14-02(0.5-1.0) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	19 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	19 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-B14-02 SB-R-B14-02(2.0-2.5) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(0.5-1.0) 06/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(2.17-2.67) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3200 UJ	3100 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	800 UJ	780 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	800 UJ	780 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	800 UJ	780 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	800 UJ	780 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	220 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2600 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	220 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	220 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	220 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	220 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	220 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	220 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	430 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	220 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	220 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	220 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	220 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	220 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	220 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	220 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.23 J	2.59 UJ	2.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.20	2.27 J	1.83 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.634	0.704	0.741
METALS	CADMIUM	MG/KG	NS	39	100	2.93 U	3.24 UJ	2.94 UJ
METALS	COPPER	MG/KG	NS	600	600	14.5	8.53 J	10.7 J
METALS	LEAD	MG/KG	NS	400	600	6.19	7.89	4.97
METALS	MERCURY	MG/KG	NS	14	270	0.0130 J	0.0281 J	0.112 U
METALS	NICKEL	MG/KG	NS	250	2400	9.87	7.13 J	8.29 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.34 U	2.59 U	1.32 J
METALS	SILVER	MG/KG	NS	110	4100	0.586 U	0.296 J	0.234 J
METALS	THALLIUM	MG/KG	NS	2	2	1.71 J	1.81 J	2.88 J
METALS	ZINC	MG/KG	NS	1500	1500	38.8	53.8 J	43.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	390 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	390 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	390 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	390 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	390 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	160000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	7800 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	970 UJ	900 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	22 U	20 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-B14-02 SB-R-B14-02(2.0-2.5) 05/18/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(0.5-1.0) 06/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(2.17-2.67) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	22 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	22 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 TP-R-B14-03(6.17-6.67) 08/17/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B15-01 SB-R-B15-01(0.5-1.0) 07/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-01 SB-R-C15-01(0.5-1.0) 06/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	18000 UJ	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	4600 UJ	840 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	4600 UJ	840 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	4600 UJ	840 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	4600 UJ	840 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	1200 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	14000 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	1200 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	1200 U	220 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	1200 U	220 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	1200 U	220 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	1200 U	220 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	1200 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	2400 U	450 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	1200 U	220 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	1200 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	1200 U	220 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	1200 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	1200 U	220 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	1200 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	1200 U	220 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.02 J	14.4 UJ	2.69 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.41 J	14.4 U	2.00 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.566	0.950 J	0.634 J
METALS	CADMIUM	MG/KG	NS	39	100	2.76 U	0.633 J	3.36 UJ
METALS	COPPER	MG/KG	NS	600	600	12.7 J	11.8	10.8
METALS	LEAD	MG/KG	NS	400	600	1.46 J	16.7	44.0
METALS	MERCURY	MG/KG	NS	14	270	0.112 U	0.156 J	0.317 J
METALS	NICKEL	MG/KG	NS	250	2400	5.48	6.48 J	8.97
METALS	SELENIUM	MG/KG	NS	63	3100	2.21 U	8.19 J	2.69 U
METALS	SILVER	MG/KG	NS	110	4100	0.551 U	3.60 U	0.673 U
METALS	THALLIUM	MG/KG	NS	2	2	1.58 J	14.4 U	2.69 U
METALS	ZINC	MG/KG	NS	1500	1500	44.0 J	58.7 J	48.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	2200 UJ	400 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	2200 UJ	400 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	2200 UJ	400 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	2200 UJ	400 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	2200 UJ	400 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	870000 U	160000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	43000 UJ	8100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	5400 UJ	1000 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	120 U	23 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	120 U	23 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 TP-R-B14-03(6.17-6.67) 08/17/06	AREA II MISCELLANEOUS/OFFSITE SB-R-B15-01 SB-R-B15-01(0.5-1.0) 07/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-01 SB-R-C15-01(0.5-1.0) 06/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	120 U	23 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	120 U	23 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	120 U	23 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	120 U	23 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	120 U	23 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	120 U	23 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-C15-01 SB-R-C15-01(1.5-2.0) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-02 SB-R-C15-02(0.75-1.25) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-02 SB-R-C15-02(2.0-2.5) 06/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	770 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	770 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	770 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	770 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	400 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.28 UJ	2.31 UJ	2.26 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.36	2.31 U	2.26 U
METALS	BERYLLIUM	MG/KG	NS	2	2	1.08	0.802	0.831
METALS	CADMIUM	MG/KG	NS	39	100	5.71 UJ	0.577 UJ	2.82 UJ
METALS	COPPER	MG/KG	NS	600	600	15.6	12.1	16.0
METALS	LEAD	MG/KG	NS	400	600	5.41	5.33	1.56 J
METALS	MERCURY	MG/KG	NS	14	270	0.112 UJ	0.115 UJ	0.111 UJ
METALS	NICKEL	MG/KG	NS	250	2400	8.90	9.68	7.41
METALS	SELENIUM	MG/KG	NS	63	3100	1.42 J	2.31 U	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.357 J	0.311 J	0.195 J
METALS	THALLIUM	MG/KG	NS	2	2	2.28 U	2.31 U	2.26 U
METALS	ZINC	MG/KG	NS	1500	1500	47.9 J	56.1 J	52.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	360 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	360 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	360 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	360 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	360 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	7200 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	900 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-C15-01 SB-R-C15-01(1.5-2.0) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-02 SB-R-C15-02(0.75-1.25) 06/23/06	AREA II MISCELLANEOUS/OFFSITE SB-R-C15-02 SB-R-C15-02(2.0-2.5) 06/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-D15-01 SB-R-D15-01(0.5-1.0) 07/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D9-01 SB-R-D9-01(0.5-1.0) 06/29/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D9-02 SB-R-D9-02(0.5-1.0) 06/29/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 U	2900 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	860 U	740 U	790 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	860 U	740 U	790 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	860 U	740 U	790 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	860 U	740 U	790 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	230 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2800 U	2400 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	230 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	230 U	200 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	230 U	200 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	230 U	200 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	230 U	200 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	230 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	460 U	400 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	230 U	200 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	230 U	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	230 U	200 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	230 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	230 U	200 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	230 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	230 U	200 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.77 UJ	2.31 UJ	2.37 UJ
METALS	ARSENIC	MG/KG	NS	20	20	8.67	2.97	5.01
METALS	BERYLLIUM	MG/KG	NS	2	2	0.743	0.293 J	0.260 J
METALS	CADMIUM	MG/KG	NS	39	100	0.566 J	0.273 J	0.299 J
METALS	COPPER	MG/KG	NS	600	600	12.5	6.73	8.45
METALS	LEAD	MG/KG	NS	400	600	23.7	9.79	20.1
METALS	MERCURY	MG/KG	NS	14	270	0.0299 J	0.118 U	0.0449 J
METALS	NICKEL	MG/KG	NS	250	2400	8.46	6.03	6.09
METALS	SELENIUM	MG/KG	NS	63	3100	2.77 U	2.31 U	2.37 U
METALS	SILVER	MG/KG	NS	110	4100	0.693 U	0.577 U	0.593 U
METALS	THALLIUM	MG/KG	NS	2	2	2.77 U	2.31 U	2.37 U
METALS	ZINC	MG/KG	NS	1500	1500	56.2 J	22.5 J	22.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	420 UJ	360 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	420 UJ	360 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	420 UJ	360 U	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	420 UJ	360 U	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	420 UJ	360 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	170000 U	140000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8300 UJ	7100 U	7300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 UJ	890 U	920 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	24 U	20 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	24 U	20 U	21 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-D15-01 SB-R-D15-01(0.5-1.0) 07/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D9-01 SB-R-D9-01(0.5-1.0) 06/29/06	AREA II MISCELLANEOUS/OFFSITE SB-R-D9-02 SB-R-D9-02(0.5-1.0) 06/29/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	24 U	20 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	24 U	20 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	24 U	20 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	24 U	20 U	8.1 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	9.8 J	20 U	7.1 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	9.8 J	20 U	15.2 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-D9-03 SB-R-D9-03(0.5-1.0) 07/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-E9-03 SB-R-E9-03(0.5-1.0) 07/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-01 SB-R-F15-01(0.5-1.0) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	3000 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	830 U	750 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	830 U	750 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	830 U	750 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	830 U	750 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	210 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	210 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	410 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	210 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.56 UJ	2.42 UJ	1.17 J
METALS	ARSENIC	MG/KG	NS	20	20	4.90	6.10	2.93
METALS	BERYLLIUM	MG/KG	NS	2	2	0.147 J	0.671	0.523 J
METALS	CADMIUM	MG/KG	NS	39	100	0.179 J	0.276 J	2.74 U
METALS	COPPER	MG/KG	NS	600	600	7.86	12.5	9.30
METALS	LEAD	MG/KG	NS	400	600	41.8	19.0	7.95
METALS	MERCURY	MG/KG	NS	14	270	0.0600 J	0.0529 J	0.0386 J
METALS	NICKEL	MG/KG	NS	250	2400	2.98	6.15	6.08
METALS	SELENIUM	MG/KG	NS	63	3100	2.56 U	2.42 U	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.641 U	0.605 U	0.548 U
METALS	THALLIUM	MG/KG	NS	2	2	2.56 U	2.42 U	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	15.9 J	38.8 J	46.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 UJ	370 UJ	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 UJ	370 UJ	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 UJ	370 UJ	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 UJ	740 UJ	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 UJ	370 UJ	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7800 UJ	4000 J	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 UJ	930 UJ	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	21 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	21 U	19 U

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-D9-03 SB-R-D9-03(0.5-1.0) 07/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-E9-03 SB-R-E9-03(0.5-1.0) 07/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-01 SB-R-F15-01(0.5-1.0) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	21 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	21 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	21 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	23	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	13 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	36 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-01 SB-R-F15-01(2.0-2.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-02 SB-R-F15-02(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-02 SB-R-F15-02(2.0-2.5) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	700 U	670 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	700 U	670 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	700 U	670 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	700 U	670 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.43 J	2.28 UJ	2.08 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.53	2.87	1.34 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.588	0.644	0.415 J
METALS	CADMIUM	MG/KG	NS	39	100	2.91 U	2.85 U	2.60 U
METALS	COPPER	MG/KG	NS	600	600	10.8	8.45	18.7
METALS	LEAD	MG/KG	NS	400	600	3.74	7.87	2.25
METALS	MERCURY	MG/KG	NS	14	270	0.0134 J	0.0245 J	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	7.00	7.32	6.87
METALS	SELENIUM	MG/KG	NS	63	3100	2.33 U	2.28 U	2.08 U
METALS	SILVER	MG/KG	NS	110	4100	0.581 U	0.570 U	0.519 U
METALS	THALLIUM	MG/KG	NS	2	2	2.33 U	2.28 U	2.08 U
METALS	ZINC	MG/KG	NS	1500	1500	35.7 J	48.7 J	32.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6800 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	860 U	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	18 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-01 SB-R-F15-01(2.0-2.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-02 SB-R-F15-02(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-02 SB-R-F15-02(2.0-2.5) 06/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-03 SB-R-F15-03(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-03 SB-R-F15-03(4.0-4.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-04 SB-R-F15-04(0.5-1.0) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2800 U	3500 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	700 U	870 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	700 U	870 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	700 U	870 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	700 U	870 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2200 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	220 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	220 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	220 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	220 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	220 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	370 U	440 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	220 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	220 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	220 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	220 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.11 UJ	2.17 UJ	2.64 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.76	1.63 J	2.64 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.370 J	0.560	0.441 J
METALS	CADMIUM	MG/KG	NS	39	100	0.528 U	2.71 U	0.660 UJ
METALS	COPPER	MG/KG	NS	600	600	10.5	9.41	2.85 J
METALS	LEAD	MG/KG	NS	400	600	4.70	2.28	6.39
METALS	MERCURY	MG/KG	NS	14	270	0.0314 J	0.109 U	0.0254 J
METALS	NICKEL	MG/KG	NS	250	2400	4.80	4.77	3.39 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.11 U	2.17 U	2.64 U
METALS	SILVER	MG/KG	NS	110	4100	0.528 U	0.542 U	0.660 U
METALS	THALLIUM	MG/KG	NS	2	2	2.11 U	2.17 U	2.64 U
METALS	ZINC	MG/KG	NS	1500	1500	32.0 J	32.9 J	25.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	340 U	400 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	340 U	400 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	340 U	400 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	320 U	340 U	400 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	340 U	400 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	160000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	6700 U	7900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	840 U	990 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	19 U	22 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	19 U	22 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-03 SB-R-F15-03(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-03 SB-R-F15-03(4.0-4.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F15-04 SB-R-F15-04(0.5-1.0) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	19 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	19 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	19 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	19 U	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	19 U	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	19 U	22 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-04 SB-R-F15-04(2.0-2.5) 06/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F16-01 SB-R-F16-01(1.17-1.67) 06/07/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F16-01 SB-R-F16-01(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 UJ	4100 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 UJ	1000 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 UJ	1000 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 UJ	590 J	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 UJ	1000 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.32 UJ	2.26 UJ	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.28 J	2.26 U	1.23 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.660	0.316 J	0.389 J
METALS	CADMIUM	MG/KG	NS	39	100	0.580 UJ	0.566 U	0.557 U
METALS	COPPER	MG/KG	NS	600	600	8.48 J	5.83 J	6.96 J
METALS	LEAD	MG/KG	NS	400	600	1.83 J	3.20	2.10 J
METALS	MERCURY	MG/KG	NS	14	270	0.115 U	0.0147 J	0.106 U
METALS	NICKEL	MG/KG	NS	250	2400	5.22 J	4.55 J	5.27 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.32 U	2.26 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.580 U	0.566 U	0.557 U
METALS	THALLIUM	MG/KG	NS	2	2	2.32 U	2.26 U	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	33.4 J	28.1	41.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6900 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 UJ	860 UJ	840 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-F15-04 SB-R-F15-04(2.0-2.5) 06/06/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F16-01 SB-R-F16-01(1.17-1.67) 06/07/06	AREA II MISCELLANEOUS/OFFSITE SB-R-F16-01 SB-R-F16-01(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-G14-01 SB-R-G14-01(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G14-01 SB-R-G14-01(2.0-2.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G15-01 SB-R-G15-01(0.5-1.0) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3000 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	750 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	750 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	750 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	750 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	43 J	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.15 J	1.05 J	1.28 J
METALS	ARSENIC	MG/KG	NS	20	20	2.80	2.30	3.64
METALS	BERYLLIUM	MG/KG	NS	2	2	0.592	0.483 J	0.730
METALS	CADMIUM	MG/KG	NS	39	100	2.82 U	2.80 U	3.02 U
METALS	COPPER	MG/KG	NS	600	600	9.16	10.6	8.74 J
METALS	LEAD	MG/KG	NS	400	600	12.1	3.74	8.23
METALS	MERCURY	MG/KG	NS	14	270	0.0480 J	0.0129 J	0.0302 J
METALS	NICKEL	MG/KG	NS	250	2400	5.80	6.93	7.96 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.26 U	2.24 U	2.42 U
METALS	SILVER	MG/KG	NS	110	4100	0.564 U	0.559 U	0.605 U
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	2.24 U	2.42 U
METALS	ZINC	MG/KG	NS	1500	1500	46.8 J	35.0 J	56.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6800 U	7300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	850 U	910 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	21 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-G14-01 SB-R-G14-01(0.5-1.0) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G14-01 SB-R-G14-01(2.0-2.5) 06/05/06	AREA II MISCELLANEOUS/OFFSITE SB-R-G15-01 SB-R-G15-01(0.5-1.0) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
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NA = Not analyzed
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U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-G15-01 SB-R-G15-01(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.30 J
METALS	ARSENIC	MG/KG	NS	20	20	6.43
METALS	BERYLLIUM	MG/KG	NS	2	2	0.754
METALS	CADMIUM	MG/KG	NS	39	100	3.01 U
METALS	COPPER	MG/KG	NS	600	600	14.8 J
METALS	LEAD	MG/KG	NS	400	600	6.50
METALS	MERCURY	MG/KG	NS	14	270	0.0466 J
METALS	NICKEL	MG/KG	NS	250	2400	8.13 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.41 U
METALS	SILVER	MG/KG	NS	110	4100	0.602 U
METALS	THALLIUM	MG/KG	NS	2	2	2.41 U
METALS	ZINC	MG/KG	NS	1500	1500	59.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	930 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-G15-01 SB-R-G15-01(2.0-2.5) 06/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-B11-04 SB-R-B11-04(0.5-1.0) 05/31/06	AREA II NG SB-R-B11-04 SB-R-B11-04(3.5-4.0) 05/31/06	AREA II NG SB-R-C11-01 SB-R-C11-01(0.5-1.0) 05/31/06	AREA II NG SB-R-C11-01 SB-R-C11-01(6.5-7.0) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3000 U	3200 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	750 U	800 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	750 U	800 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	750 U	800 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	750 U	800 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	350	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	390	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	690	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	190 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	390 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	400	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	89 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	230	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.30 UJ	1.33 J	2.35 UJ	1.65 J
METALS	ARSENIC	MG/KG	NS	20	20	4.41	3.71	22.6	2.14 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.593	0.748	0.361 J	0.641
METALS	CADMIUM	MG/KG	NS	39	100	0.575 U	2.79 U	2.94 U	13.5 UJ
METALS	COPPER	MG/KG	NS	600	600	10.3	18.5	14.8	17.5
METALS	LEAD	MG/KG	NS	400	600	61.0	5.91	102	3.54
METALS	MERCURY	MG/KG	NS	14	270	0.0544 J	0.0306 J	0.0980 J	0.0150 J
METALS	NICKEL	MG/KG	NS	250	2400	6.43	14.4	7.05	9.72
METALS	SELENIUM	MG/KG	NS	63	3100	2.30 U	2.23 U	1.73 J	2.16 U
METALS	SILVER	MG/KG	NS	110	4100	0.575 U	0.558 U	0.588 U	0.541 U
METALS	THALLIUM	MG/KG	NS	2	2	2.30 U	2.23 U	1.63 J	2.16 U
METALS	ZINC	MG/KG	NS	1500	1500	43.6 J	32.7 J	44.5 J	49.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	350 UJ	360 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	350 UJ	360 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	350 UJ	360 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	130 J	350 UJ	360 UJ	330 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	350 UJ	360 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	150000 U	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 UJ	7000 UJ	7300 UJ	6700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	870 UJ	910 UJ	840 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-B11-04 SB-R-B11-04(0.5-1.0) 05/31/06	AREA II NG SB-R-B11-04 SB-R-B11-04(3.5-4.0) 05/31/06	AREA II NG SB-R-C11-01 SB-R-C11-01(0.5-1.0) 05/31/06	AREA II NG SB-R-C11-01 SB-R-C11-01(6.5-7.0) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	21 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	21 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C11-02 SB-R-C11-02(1.0-1.5) 05/31/06	AREA II NG SB-R-C11-02 SB-R-C11-02(4.5-5.0) 05/31/06	AREA II NG SB-R-C11-03 SB-R-C11-03(0.5-1.0) 06/01/06	AREA II NG SB-R-C11-03 SB-R-C11-03(4.5-5.0) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3000 U	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	750 U	740 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	750 U	740 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	750 U	740 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	750 U	740 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	150 J	190 U	1000	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	130 J	190 U	970	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200	190 U	1400	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	80 J	190 U	520	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	390 U	380 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	160 J	190 U	970	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	150 J	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	73 J	190 U	590	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.27 J	1.66 J	1.18 J	2.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	8.52	2.61	6.27	3.12
METALS	BERYLLIUM	MG/KG	NS	2	2	0.560	0.387 J	0.749	0.686
METALS	CADMIUM	MG/KG	NS	39	100	1.12 J	0.324 J	0.571 U	2.94 U
METALS	COPPER	MG/KG	NS	600	600	14.3	10.7	18.4	15.7
METALS	LEAD	MG/KG	NS	400	600	500	46.9	473	6.81
METALS	MERCURY	MG/KG	NS	14	270	0.0518 J	0.0326 J	0.137	0.0169 J
METALS	NICKEL	MG/KG	NS	250	2400	7.57	7.38	8.23	10.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 U	2.29 U	1.57 J	2.35 U
METALS	SILVER	MG/KG	NS	110	4100	0.539 U	0.572 U	0.571 U	0.266 J
METALS	THALLIUM	MG/KG	NS	2	2	2.16 U	2.29 U	2.28 U	2.35 U
METALS	ZINC	MG/KG	NS	1500	1500	72.0 J	37.6 J	40.1	35.0
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	350 UJ	350 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	350 UJ	350 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	350 UJ	350 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 UJ	350 UJ	350 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	350 UJ	350 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 UJ	6900 UJ	6900 U	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 UJ	870 UJ	870 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C11-02 SB-R-C11-02(1.0-1.5) 05/31/06	AREA II NG SB-R-C11-02 SB-R-C11-02(4.5-5.0) 05/31/06	AREA II NG SB-R-C11-03 SB-R-C11-03(0.5-1.0) 06/01/06	AREA II NG SB-R-C11-03 SB-R-C11-03(4.5-5.0) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C11-04 SB-R-C11-04(0.5-1.0) 06/07/06	AREA II NG SB-R-C11-04 SB-R-C11-04(4.0-4.5) 06/07/06	AREA II NG SB-R-C12-02 SB-R-C12-02(0.5-1.0) 05/31/06	AREA II NG SB-R-C12-02 SB-R-C12-02(5.5-6.0) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3100 U	2700 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	760 U	660 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	760 U	660 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	760 U	660 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	760 U	660 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	280	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	180 UJ	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	180 UJ	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	180 UJ	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	180 UJ	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 UJ	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	390 U	73 J	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	180 UJ	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	180 UJ	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	180 UJ	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.19 J	1.04 J	1.09 J	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.88	2.94	3.71	2.23 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.347 J	0.562 J	0.472 J	0.499 J
METALS	CADMIUM	MG/KG	NS	39	100	0.580 U	2.87 U	0.513 U	0.557 U
METALS	COPPER	MG/KG	NS	600	600	12.2 J	12.7 J	14.3	10.4
METALS	LEAD	MG/KG	NS	400	600	680	4.77	16.1	1.85 J
METALS	MERCURY	MG/KG	NS	14	270	0.0263 J	0.0207 J	0.104 U	0.107 U
METALS	NICKEL	MG/KG	NS	250	2400	5.10 J	8.99 J	6.48	7.09
METALS	SELENIUM	MG/KG	NS	63	3100	2.32 U	2.30 U	2.05 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.580 U	0.574 U	0.513 U	0.557 U
METALS	THALLIUM	MG/KG	NS	2	2	2.32 U	2.30 U	2.05 U	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	37.3	35.1	82.6 J	41.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	320 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	350 U	320 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	320 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	350 U	320 UJ	330 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	350 U	320 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	7000 U	6400 UJ	6700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 UJ	870 UJ	800 UJ	840 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	18 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	18 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C11-04 SB-R-C11-04(0.5-1.0) 06/07/06	AREA II NG SB-R-C11-04 SB-R-C11-04(4.0-4.5) 06/07/06	AREA II NG SB-R-C12-02 SB-R-C12-02(0.5-1.0) 05/31/06	AREA II NG SB-R-C12-02 SB-R-C12-02(5.5-6.0) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	18 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	18 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	18 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	18 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	42 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	42 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C12-03 SB-R-C12-03(1.0-1.5) 06/06/06	AREA II NG SB-R-C12-03 SB-R-C12-03(2.5-3.0) 06/06/06	AREA II NG SB-R-D10-01 SB-R-D10-01(0.5-1.0) 06/01/06	AREA II NG SB-R-D10-01 SB-R-D10-01(2.5-3.0) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	2700 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	690 U	670 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	690 U	670 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	690 U	670 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	690 U	670 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	170 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	170 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	170 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	170 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	170 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	170 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	170 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	380 U	350 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	170 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	170 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	170 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	170 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	170 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	170 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	170 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.29 UJ	1.28 J	2.07 UJ	2.12 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.42	2.60	1.52 J	1.63 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.369 J	0.635	0.179 J	0.281 J
METALS	CADMIUM	MG/KG	NS	39	100	0.375 J	0.189 J	0.517 UJ	2.65 UJ
METALS	COPPER	MG/KG	NS	600	600	10.2	13.2	6.67	11.2
METALS	LEAD	MG/KG	NS	400	600	50.5	23.9	39.9	4.03
METALS	MERCURY	MG/KG	NS	14	270	0.0273 J	0.110 U	0.0207 J	0.0113 J
METALS	NICKEL	MG/KG	NS	250	2400	5.59	8.03	3.13	4.95
METALS	SELENIUM	MG/KG	NS	63	3100	2.29 U	2.22 U	2.07 U	2.12 U
METALS	SILVER	MG/KG	NS	110	4100	0.572 U	0.554 U	0.517 U	0.193 J
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U	2.22 U	2.07 U	2.12 U
METALS	ZINC	MG/KG	NS	1500	1500	32.9 J	65.5 J	11.9	15.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	310 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	310 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	310 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	340 U	310 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	310 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	6800 U	6300 U	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	850 U	780 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	18 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	18 U	19 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C12-03 SB-R-C12-03(1.0-1.5) 06/06/06	AREA II NG SB-R-C12-03 SB-R-C12-03(2.5-3.0) 06/06/06	AREA II NG SB-R-D10-01 SB-R-D10-01(0.5-1.0) 06/01/06	AREA II NG SB-R-D10-01 SB-R-D10-01(2.5-3.0) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	18 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	18 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	18 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	18 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	18 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	18 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-02 SB-R-D10-02(1.0-1.5) 06/01/06	AREA II NG SB-R-D10-02 TP-R-D10-02(5.0-5.5) 08/15/06	AREA II NG SB-R-D10-03 SB-R-D10-03(0.5-1.0) 06/01/06	AREA II NG SB-R-D10-03 SB-R-D10-03(5.0-5.5) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2600 U	2900 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	660 U	730 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	660 U	730 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	660 U	730 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	660 U	730 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	780	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	670 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	1100 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	480 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	110 J	360 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	830	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	140 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	430 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.16 UJ	2.15 UJ	2.27 UJ	2.25 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.18	9.74	2.91	3.38
METALS	BERYLLIUM	MG/KG	NS	2	2	0.481 J	0.187 J	0.415 J	0.559 J
METALS	CADMIUM	MG/KG	NS	39	100	2.70 UJ	0.538 U	2.84 UJ	2.82 UJ
METALS	COPPER	MG/KG	NS	600	600	27.5	22.1 J	17.7	16.0
METALS	LEAD	MG/KG	NS	400	600	68.3	1.72	44.3	5.95
METALS	MERCURY	MG/KG	NS	14	270	0.107	0.0128 J	0.239	0.0335 J
METALS	NICKEL	MG/KG	NS	250	2400	8.26	1.00 J	10.7	12.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 U	1.06 J	2.27 U	2.25 U
METALS	SILVER	MG/KG	NS	110	4100	0.342 J	0.538 U	0.218 J	0.328 J
METALS	THALLIUM	MG/KG	NS	2	2	2.11 J	2.15 U	2.15 J	3.37
METALS	ZINC	MG/KG	NS	1500	1500	56.1	6.16 J	58.0	45.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 UJ	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 UJ	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 UJ	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	650 UJ	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 UJ	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 UJ	140000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	6500 UJ	7000 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	810 UJ	870 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	380 U	18 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	380 U	18 U	20 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-02 SB-R-D10-02(1.0-1.5) 06/01/06	AREA II NG SB-R-D10-02 TP-R-D10-02(5.0-5.5) 08/15/06	AREA II NG SB-R-D10-03 SB-R-D10-03(0.5-1.0) 06/01/06	AREA II NG SB-R-D10-03 SB-R-D10-03(5.0-5.5) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	380 U	18 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	380 U	18 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	380 U	18 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	1800 J	18 U	21 J	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	380 U	18 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	1800 J	18 U	21 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-03 TP-R-D10-03(9.0-9.5) 08/08/06	AREA II NG SB-R-D10-04 SB-R-D10-04(0.5-1.0) 06/02/06	AREA II NG SB-R-D10-04 SB-R-D10-04(5.0-5.5) 06/02/06	AREA II NG SB-R-D11-01 SB-R-D11-01(1.0-1.5) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3000 U	2900 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	740 U	740 U	810 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	740 U	740 U	810 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	740 U	740 U	810 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	740 U	740 U	810 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	190 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2300 U	2300 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	190 U	190 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	140 J	190 U	160 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	190	190 U	130 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	390	190 U	220
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	140 J	190 U	64 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	190 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	380 U	390 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	210	190 U	200 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	190 U	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	51 J	190 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	190 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	150 J	190 U	71 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	190 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	190 U	190 U	45 J
METALS	ANTIMONY	MG/KG	NS	14	340	2.16 UJ	2.30 UJ	1.36 J	2.38 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.71	3.97	3.84	12.7
METALS	BERYLLIUM	MG/KG	NS	2	2	0.608	0.474 J	0.662	0.334 J
METALS	CADMIUM	MG/KG	NS	39	100	0.373 J	0.575 U	2.86 U	0.594 U
METALS	COPPER	MG/KG	NS	600	600	20.4	16.3	19.0	16.1
METALS	LEAD	MG/KG	NS	400	600	3.89	95.7	5.02	288
METALS	MERCURY	MG/KG	NS	14	270	0.0165 J	0.109	0.109 U	0.0663 J
METALS	NICKEL	MG/KG	NS	250	2400	9.52	6.20	11.8	8.19
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 U	2.30 U	2.29 U	2.38 U
METALS	SILVER	MG/KG	NS	110	4100	0.540 U	0.575 U	0.572 U	0.594 U
METALS	THALLIUM	MG/KG	NS	2	2	2.16 U	2.30 U	2.29 U	2.38 U
METALS	ZINC	MG/KG	NS	1500	1500	46.6 J	45.2	33.3	38.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	350 U	350 U	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	350 U	350 U	370 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	350 U	350 U	370 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	350 U	350 U	370 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	350 U	350 U	370 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	140000 UJ	140000 UJ	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	6900 U	6900 U	7400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	860 U	870 U	930 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	20 U	20 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	20 U	20 U	21 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-03 TP-R-D10-03(9.0-9.5) 08/08/06	AREA II NG SB-R-D10-04 SB-R-D10-04(0.5-1.0) 06/02/06	AREA II NG SB-R-D10-04 SB-R-D10-04(5.0-5.5) 06/02/06	AREA II NG SB-R-D11-01 SB-R-D11-01(1.0-1.5) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	20 U	20 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	20 U	20 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	20 U	20 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	20 U	20 U	60 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	20 J	20 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	20 J	20 U	60 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D11-01 SB-R-D11-01(6.0-6.5) 05/31/06	AREA II NG SB-R-D11-02 SB-R-D11-02(0.5-1.0) 05/31/06	AREA II NG SB-R-D11-02 SB-R-D11-02(6.0-6.5) 05/31/06	AREA II NG SB-R-D11-03 SB-R-D11-03(1.0-1.5) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2900 U	3100 U	3200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	730 U	780 U	800 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	730 U	780 U	800 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	730 U	780 U	800 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	730 U	780 U	800 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2400 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	200 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	200 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	200 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	200 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	400 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	200 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	200 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	200 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	200 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.15 UJ	1.21 J	1.45 J	1.52 J
METALS	ARSENIC	MG/KG	NS	20	20	9.49	5.88	2.01 J	1.74 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.0894 J	0.761	0.306 J	0.606 U
METALS	CADMIUM	MG/KG	NS	39	100	0.538 U	1.12 J	0.591 UJ	0.606 U
METALS	COPPER	MG/KG	NS	600	600	2.42	11.4	7.22	2.20
METALS	LEAD	MG/KG	NS	400	600	26.8	35.6	5.67	5100
METALS	MERCURY	MG/KG	NS	14	270	0.108 U	0.0564 J	0.113 U	0.0170 J
METALS	NICKEL	MG/KG	NS	250	2400	1.69	7.42	6.31	1.21 U
METALS	SELENIUM	MG/KG	NS	63	3100	2.15 U	2.24 U	2.36 U	2.42 U
METALS	SILVER	MG/KG	NS	110	4100	0.538 U	0.560 U	0.591 U	0.606 U
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	1.81 J	2.36 U	2.42 U
METALS	ZINC	MG/KG	NS	1500	1500	11.3 J	58.4 J	33.8 J	2.58 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	340 UJ	360 UJ	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	340 UJ	360 UJ	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	340 UJ	360 UJ	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 UJ	340 UJ	360 UJ	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	340 UJ	360 UJ	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 UJ	140000 UJ	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	6800 UJ	7200 UJ	7600
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	860 UJ	890 UJ	920 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	20 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	20 U	21 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D11-01 SB-R-D11-01(6.0-6.5) 05/31/06	AREA II NG SB-R-D11-02 SB-R-D11-02(0.5-1.0) 05/31/06	AREA II NG SB-R-D11-02 SB-R-D11-02(6.0-6.5) 05/31/06	AREA II NG SB-R-D11-03 SB-R-D11-03(1.0-1.5) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	20 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	20 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	20 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	20 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	20 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	20 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D11-03 SB-R-D11-03(6.0-6.5) 06/01/06	AREA II NG SB-R-D11-04 SB-R-D11-04(0.5-1.0) 06/08/06	AREA II NG SB-R-D11-04 SB-R-D11-04(4.0-4.5) 06/08/06	AREA II NG SB-R-E10-02 SB-R-E10-02(0.5-1.0) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	2900 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	700 U	720 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	700 U	720 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	700 U	720 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	700 U	720 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	52 J	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	51 J	200 U	190 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	57 J	200 U	54 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	200 U	190 UJ
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	390 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	54 J	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	200 U	550
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	200 U	190 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	200 U	190 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	200 U	41 J
METALS	ANTIMONY	MG/KG	NS	14	340	1.14 J	2.18 UJ	2.29 UJ	2.33 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.85 J	6.13	1.92 J	3.59
METALS	BERYLLIUM	MG/KG	NS	2	2	0.562 U	0.970	0.503 J	0.648
METALS	CADMIUM	MG/KG	NS	39	100	0.562 U	2.73 U	2.87 U	0.581 U
METALS	COPPER	MG/KG	NS	600	600	0.443 J	20.4 J	10.7 J	15.0
METALS	LEAD	MG/KG	NS	400	600	103	61.7	2.34	36.0
METALS	MERCURY	MG/KG	NS	14	270	0.111 U	0.0541 J	0.0338 J	0.0606 J
METALS	NICKEL	MG/KG	NS	250	2400	1.12 U	7.44 J	5.63 J	9.41
METALS	SELENIUM	MG/KG	NS	63	3100	2.25 U	2.18 U	2.29 U	2.33 U
METALS	SILVER	MG/KG	NS	110	4100	0.562 U	0.546 U	0.573 U	0.581 U
METALS	THALLIUM	MG/KG	NS	2	2	2.25 U	2.18 U	2.29 U	2.33 U
METALS	ZINC	MG/KG	NS	1500	1500	1.90 J	61.0	26.5	51.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	330 U	350 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	330 U	350 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	330 U	350 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	330 U	350 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	330 U	350 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 UJ	140000 UJ	220000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	4500 J	6600 U	7100 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	830 UJ	890 UJ	870 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	94 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	94 U	20 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D11-03 SB-R-D11-03(6.0-6.5) 06/01/06	AREA II NG SB-R-D11-04 SB-R-D11-04(0.5-1.0) 06/08/06	AREA II NG SB-R-D11-04 SB-R-D11-04(4.0-4.5) 06/08/06	AREA II NG SB-R-E10-02 SB-R-E10-02(0.5-1.0) 06/01/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	19 U	94 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	19 U	94 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	19 U	94 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	19 U	1100 J	20 U	4.2 J
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	19 UJ	94 U	20 U	20 UJ
PCBS	TOTAL PCBS		UG/KG	50000	490	2000	19 U	1100 J	20 U	4.2 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-E10-02 SB-R-E10-02(6.0-6.5) 06/01/06	AREA II NG SB-R-E10-03 SB-R-E10-03(0.5-1.0) 06/02/06	AREA II NG SB-R-E10-03 SB-R-E10-03(5.0-5.5) 06/02/06	AREA II NG SB-R-E11-03 SB-R-E11-03(0.5-1.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2900 U	2700 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	720 U	680 U	820 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	720 U	680 U	820 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	720 U	680 U	820 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	720 U	680 U	820 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2100 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	180 U	150 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	160 J	180 U	110 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	150 J	180 U	160 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	320	180 U	300
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	160 J	180 U	120 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	370 U	350 U	430 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	230	180 U	250
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	42 J	180 U	55 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	110 J	180 U	130 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.22 UJ	1.06 J	2.13 UJ	2.50 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.22 U	75.6	3.11	10.8
METALS	BERYLLIUM	MG/KG	NS	2	2	0.654	0.462 J	0.180 J	0.648
METALS	CADMIUM	MG/KG	NS	39	100	0.556 U	2.78 U	0.531 U	1.47
METALS	COPPER	MG/KG	NS	600	600	12.4	17.9	7.57	23.1
METALS	LEAD	MG/KG	NS	400	600	2.32	50.8	1.22 J	166
METALS	MERCURY	MG/KG	NS	14	270	0.108 U	0.0659 J	0.0178 J	0.295
METALS	NICKEL	MG/KG	NS	250	2400	6.47	6.72	3.06	10.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.22 U	2.23 U	2.13 U	2.50 U
METALS	SILVER	MG/KG	NS	110	4100	0.556 U	0.557 U	0.531 U	0.246 J
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.23 U	2.13 U	2.50 U
METALS	ZINC	MG/KG	NS	1500	1500	36.9	45.1	10.5	92.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	330 U	320 U	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	330 U	320 U	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	330 U	320 U	380 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	330 U	320 U	380 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	330 U	320 U	380 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 UJ	130000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6700 U	6400 U	7700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	840 U	800 U	960 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	18 U	22 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	18 U	22 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-E10-02 SB-R-E10-02(6.0-6.5) 06/01/06	AREA II NG SB-R-E10-03 SB-R-E10-03(0.5-1.0) 06/02/06	AREA II NG SB-R-E10-03 SB-R-E10-03(5.0-5.5) 06/02/06	AREA II NG SB-R-E11-03 SB-R-E11-03(0.5-1.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	18 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	18 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	18 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	5.2 J	18 U	19 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 UJ	19 U	18 U	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	5.2 J	18 U	19 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-E11-03 SB-R-E11-03(4.67-5.17) 05/17/06	AREA II NG TP-R-C11-8572C-1 TP-R-C11-8572C-1(0.5-1.0) 08/15/06	AREA II NG TP-R-C11-8572C-1 TP-R-C11-8572C-1(8.5-9.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	830 U	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	830 U	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	830 U	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	830 U	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	170 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2100 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	170 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	170 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	170 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	170 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	170 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	170 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	350 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	170 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	170 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	170 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	170 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	170 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	170 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	170 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.46 UJ	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	1.81 J	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	0.725	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	0.598 J	NA	NA
METALS	COPPER	MG/KG	NS	600	600	11.9	NA	NA
METALS	LEAD	MG/KG	NS	400	600	3.40	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	0.0110 J	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	7.91	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	2.46 U	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	0.616 U	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.46 U	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	53.0 J	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	310 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	380 U	310 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	380 U	310 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	380 U	630 UJ	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 U	310 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	130000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7700 U	6300 UJ	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	960 U	780 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-E11-03 SB-R-E11-03(4.67-5.17) 05/17/06	AREA II NG TP-R-C11-8572C-1 TP-R-C11-8572C-1(0.5-1.0) 08/15/06	AREA II NG TP-R-C11-8572C-1 TP-R-C11-8572C-1(8.5-9.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-C11-8572D-1 TP-R-C11-8572D-1(0.5-1.0) 08/15/06	AREA II NG TP-R-C11-8572D-1 TP-R-C11-8572D-1(9.0-9.5) 08/15/06	AREA II NG TP-R-D11-2031-1 TP-R-D11-2031-1(0.5-1.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	230 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2800 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	90 J	230 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	41 J	230 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	79 J	230 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	370 J	230 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	250 J	230 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	230 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	160 J	460 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	69 J	230 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	340	230 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	71 J	230 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	550	230 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 J	230 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	230 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	240	230 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	410 UJ	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	410 UJ	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	410 UJ	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	650 UJ	830 UJ	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	410 UJ	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	950000 J	170000 UJ	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	12000 J	8300 UJ	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 UJ	1000 UJ	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-C11-8572D-1 TP-R-C11-8572D-1(0.5-1.0) 08/15/06	AREA II NG TP-R-C11-8572D-1 TP-R-C11-8572D-1(9.0-9.5) 08/15/06	AREA II NG TP-R-D11-2031-1 TP-R-D11-2031-1(0.5-1.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-D11-2031-1 TP-R-D11-2031-1(6.5-7.0) 08/15/06	AREA II NG TP-R-D11-2031-2 TP-R-D11-2031-2(0.5-1.0) 08/15/06	AREA II NG TP-R-D11-2031-2 TP-R-D11-2031-2(8.5-9.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	48000	230
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	220 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	220 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	180 U	220 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	220 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	360 U	440 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	220 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	220 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	220 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	220 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-D11-2031-1 TP-R-D11-2031-1(6.5-7.0) 08/15/06	AREA II NG TP-R-D11-2031-2 TP-R-D11-2031-2(0.5-1.0) 08/15/06	AREA II NG TP-R-D11-2031-2 TP-R-D11-2031-2(8.5-9.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-D11-2031-3 TP-R-D11-2031-3(1.0-1.5) 08/15/06	AREA II NG TP-R-D11-2031-3 TP-R-D11-2031-3(8.0-8.5) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	2400	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	120 J	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	130 J	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	330	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	130 J	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	430 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	68 J	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 J	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG TP-R-D11-2031-3 TP-R-D11-2031-3(1.0-1.5) 08/15/06	AREA II NG TP-R-D11-2031-3 TP-R-D11-2031-3(8.0-8.5) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II PETN SB-R-C10-02 SB-R-C10-02(0.5-1.0) 06/01/06	AREA II PETN SB-R-C10-02 SB-R-C10-02(5.5-6.0) 06/01/06	AREA II PETN SB-R-C10-02 TP-R-C10-02(9.5-10.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3100 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	790 U	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	790 U	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	790 U	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	790 U	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2400 U	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	540	200 U	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	400	200 U	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	630	200 U	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	290	200 U	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	390 U	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	650	200 U	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	61 J	200 U	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210	200 U	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.26 UJ	2.32 UJ	2.21 UJ
METALS	ARSENIC	MG/KG	NS	20	20	30.6	6.87	3.00
METALS	BERYLLIUM	MG/KG	NS	2	2	0.560 J	0.727	0.565
METALS	CADMIUM	MG/KG	NS	39	100	2.82 UJ	2.90 UJ	0.552 U
METALS	COPPER	MG/KG	NS	600	600	10.2	13.2	16.7 J
METALS	LEAD	MG/KG	NS	400	600	50.5	15.2	3.37
METALS	MERCURY	MG/KG	NS	14	270	0.335	0.0198 J	0.0146 J
METALS	NICKEL	MG/KG	NS	250	2400	8.61	11.3	7.29
METALS	SELENIUM	MG/KG	NS	63	3100	2.26 U	2.32 U	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.298 J	0.438 J	0.552 U
METALS	THALLIUM	MG/KG	NS	2	2	1.67 J	2.89	1.76 J
METALS	ZINC	MG/KG	NS	1500	1500	35.7	46.0	58.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	360 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	360 U	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	360 U	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	360 U	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	360 U	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	7100 U	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	890 U	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II PETN SB-R-C10-02 SB-R-C10-02(0.5-1.0) 06/01/06	AREA II PETN SB-R-C10-02 SB-R-C10-02(5.5-6.0) 06/01/06	AREA II PETN SB-R-C10-02 TP-R-C10-02(9.5-10.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	110 J	20 U	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	110 J	20 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT B10-503-07 TP-R-B10-503-07(11.5-12.0) 08/11/06	AREA II TNT B11-663-06 TP-R-B11-663-06(8.0-8.5) 08/10/06	AREA II TNT SB-R-A11-01 SB-R-A11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-A11-01 TP-R-A11-01(4.5-5.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	2600 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	660 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	660 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	660 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	660 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	170 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2300 U	2100 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	170 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	170 U	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	170 U	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	170 U	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	170 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	170 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	380 U	350 U	340 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	170 U	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	170 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	170 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	170 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	170 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	170 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	170 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	2.09 UJ	2.02 UJ
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	2.09 U	2.02 U
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	0.522 U	0.506 U
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	0.522 U	0.506 U
METALS	COPPER	MG/KG	NS	600	600	NA	NA	3.20	1.64 J
METALS	LEAD	MG/KG	NS	400	600	NA	NA	26.7	2.25
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	0.102 U	0.102 U
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	1.09	0.754 J
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	2.09 U	2.02 U
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	0.522 U	0.506 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.09 U	2.02 U
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	3.22 J	4.54 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	340 U	310 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	280 J	310 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	130 J	310 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 U	680 U	310 U	620 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	340 U	310 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	120000 U	120000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	6800 U	6300 U	6200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	850 U	780 U	770 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	18 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	18 U	18 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT B10-503-07 TP-R-B10-503-07(11.5-12.0) 08/11/06	AREA II TNT B11-663-06 TP-R-B11-663-06(8.0-8.5) 08/10/06	AREA II TNT SB-R-A11-01 SB-R-A11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-A11-01 TP-R-A11-01(4.5-5.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	18 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	18 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	18 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A11-02 SB-R-A11-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-A11-02 SB-R-A11-02(2.5-3.0) 05/25/06	AREA II TNT SB-R-A12-01 SB-R-A12-01(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-01 SB-R-A12-01(4.0-4.5) 05/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3100 U	2700 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	780 U	680 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	780 U	680 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	780 U	680 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	780 U	680 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2400 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	200 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	200 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	200 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	200 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	390 U	370 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	200 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	200 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	200 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.26 UJ	2.29 UJ	2.19 UJ	1.11 J
METALS	ARSENIC	MG/KG	NS	20	20	2.73	2.38	1.74 J	1.51 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.681	0.989	0.203 J	0.125 J
METALS	CADMIUM	MG/KG	NS	39	100	0.564 U	2.86 U	0.548 U	0.540 U
METALS	COPPER	MG/KG	NS	600	600	11.7 J	20.2 J	7.45	4.95
METALS	LEAD	MG/KG	NS	400	600	4.45	4.67	1.90 J	1.82 J
METALS	MERCURY	MG/KG	NS	14	270	0.112 U	0.0753 J	0.103 U	0.106 U
METALS	NICKEL	MG/KG	NS	250	2400	9.51	12.7	3.42	1.65
METALS	SELENIUM	MG/KG	NS	63	3100	2.26 U	2.29 U	2.19 U	2.16 U
METALS	SILVER	MG/KG	NS	110	4100	0.564 U	0.276 J	0.548 U	0.540 U
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	2.29 U	2.19 U	1.31 J
METALS	ZINC	MG/KG	NS	1500	1500	34.4	36.4	12.0	4.75
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	330 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	350 U	330 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	330 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	350 U	330 UJ	330 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	350 U	330 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	7100 U	6600 UJ	6500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	880 U	830 UJ	820 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	19 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A11-02 SB-R-A11-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-A11-02 SB-R-A11-02(2.5-3.0) 05/25/06	AREA II TNT SB-R-A12-01 SB-R-A12-01(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-01 SB-R-A12-01(4.0-4.5) 05/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A12-02 SB-R-A12-02(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-02 SB-R-A12-02(4.0-4.5) 05/24/06	AREA II TNT SB-R-A12-03 SB-R-A12-03(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-03 SB-R-A12-03(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	690 U	660 U	670 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	690 U	660 U	670 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	690 U	660 U	670 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	690 U	660 U	670 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	180 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2100 U	2100 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	180 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	180 U	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	180 U	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	180 U	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	180 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	180 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	350 U	360 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	180 U	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	180 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	180 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	180 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	180 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	180 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	180 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.12 UJ	2.13 UJ	2.10 UJ	2.04 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.98	2.25	2.25	4.66
METALS	BERYLLIUM	MG/KG	NS	2	2	0.218 J	0.175 J	0.197 J	0.121 J
METALS	CADMIUM	MG/KG	NS	39	100	0.530 U	0.531 U	0.524 U	0.511 U
METALS	COPPER	MG/KG	NS	600	600	8.09	6.04 J	9.34 J	17.7 J
METALS	LEAD	MG/KG	NS	400	600	3.36	1.91 J	5.74	2.04 U
METALS	MERCURY	MG/KG	NS	14	270	0.106 U	0.105 U	0.105 U	0.104 U
METALS	NICKEL	MG/KG	NS	250	2400	4.18	2.51	3.23	1.02 U
METALS	SELENIUM	MG/KG	NS	63	3100	2.12 U	2.13 U	2.10 U	2.04 U
METALS	SILVER	MG/KG	NS	110	4100	0.530 U	0.531 U	0.524 U	0.511 U
METALS	THALLIUM	MG/KG	NS	2	2	1.66 J	2.13 U	2.10 U	2.04 U
METALS	ZINC	MG/KG	NS	1500	1500	14.5	7.32	16.3	8.43
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	320 UJ	320 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	320 UJ	320 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	320 UJ	320 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 UJ	320 UJ	320 U	310 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	320 UJ	320 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 UJ	6400 UJ	6400 U	6300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 UJ	800 UJ	800 U	780 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	18 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	18 U	18 U

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A12-02 SB-R-A12-02(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-02 SB-R-A12-02(4.0-4.5) 05/24/06	AREA II TNT SB-R-A12-03 SB-R-A12-03(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-03 SB-R-A12-03(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	18 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 U	18 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	18 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A12-04 SB-R-A12-04(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-04 SB-R-A12-04(4.5-5.0) 05/24/06	AREA II TNT SB-R-A13-01 SB-R-A13-01(1.0-1.5) 05/19/06	AREA II TNT SB-R-A13-01 SB-R-A13-01(4.0-4.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2900 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	700 U	740 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	700 U	740 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	700 U	740 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	700 U	740 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	200 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 UJ	180 U	200 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	49 J	180 U	200 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 UJ	180 U	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	360 U	390 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	200 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 UJ	180 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 UJ	180 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.935 J	2.14 UJ	2.28 UJ	1.05 J
METALS	ARSENIC	MG/KG	NS	20	20	2.63	2.84	3.18	2.43
METALS	BERYLLIUM	MG/KG	NS	2	2	0.194 J	0.195 J	0.857	0.461 J
METALS	CADMIUM	MG/KG	NS	39	100	0.557 U	0.534 U	2.85 U	2.61 U
METALS	COPPER	MG/KG	NS	600	600	5.98	7.85	10.2	12.5
METALS	LEAD	MG/KG	NS	400	600	22.0	1.76 J	8.81	2.27
METALS	MERCURY	MG/KG	NS	14	270	0.0473 J	0.106 U	0.0263 J	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	3.00	2.37	8.50	6.66
METALS	SELENIUM	MG/KG	NS	63	3100	2.23 U	2.14 U	2.28 U	2.09 U
METALS	SILVER	MG/KG	NS	110	4100	0.557 U	0.534 U	0.569 U	0.522 U
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	2.14 U	2.28 U	2.09 U
METALS	ZINC	MG/KG	NS	1500	1500	14.7	7.74	50.1	35.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	330 UJ	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	330 UJ	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	330 UJ	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 UJ	330 UJ	350 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	330 UJ	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 UJ	6500 UJ	7000 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 UJ	820 UJ	880 U	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	20 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	20 U	18 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A12-04 SB-R-A12-04(0.5-1.0) 05/24/06	AREA II TNT SB-R-A12-04 SB-R-A12-04(4.5-5.0) 05/24/06	AREA II TNT SB-R-A13-01 SB-R-A13-01(1.0-1.5) 05/19/06	AREA II TNT SB-R-A13-01 SB-R-A13-01(4.0-4.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	20 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	20 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	20 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A13-02 SB-R-A13-02(0.5-1.0) 05/19/06	AREA II TNT SB-R-A13-02 SB-R-A13-02(2.0-2.5) 05/19/06	AREA II TNT SB-R-A13-03 SB-R-A13-03(0.5-1.0) 05/19/06	AREA II TNT SB-R-A13-03 SB-R-A13-03(4.0-4.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2900 U	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	800 U	740 U	750 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	740 U	750 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	740 U	750 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	740 U	750 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	380 U	380 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.33 UJ	1.06 J	2.22 UJ	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.24	4.17	4.22	1.13 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.613	0.611	0.443 J	0.192 J
METALS	CADMIUM	MG/KG	NS	39	100	0.581 U	2.88 U	2.77 U	2.67 U
METALS	COPPER	MG/KG	NS	600	600	6.51	11.0	21.4	8.40
METALS	LEAD	MG/KG	NS	400	600	5.82	5.17	3.51	1.74 J
METALS	MERCURY	MG/KG	NS	14	270	0.0203 J	0.0290 J	0.0148 J	0.106 U
METALS	NICKEL	MG/KG	NS	250	2400	8.32	8.62	9.73	3.05
METALS	SELENIUM	MG/KG	NS	63	3100	2.33 U	2.30 U	2.22 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.581 U	0.575 U	0.554 U	0.533 U
METALS	THALLIUM	MG/KG	NS	2	2	2.33 U	2.30 U	1.61 J	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	37.7	26.2	30.6	9.78
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	350 U	350 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	350 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 U	6900 U	6900 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 U	860 U	860 U	830 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	20 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A13-02 SB-R-A13-02(0.5-1.0) 05/19/06	AREA II TNT SB-R-A13-02 SB-R-A13-02(2.0-2.5) 05/19/06	AREA II TNT SB-R-A13-03 SB-R-A13-03(0.5-1.0) 05/19/06	AREA II TNT SB-R-A13-03 SB-R-A13-03(4.0-4.5) 05/19/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	20 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	20 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A13-04 SB-R-A13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-A13-04 SB-R-A13-04(5.0-5.5) 05/23/06	AREA II TNT SB-R-B10-01 SB-R-B10-01(0.5-1.0) 05/25/06	AREA II TNT SB-R-B10-01 SB-R-B10-01(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	710 U	760 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	710 U	760 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	710 U	760 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	710 U	760 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	200 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	200 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	200 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	390 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	200 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.06 J	2.17 UJ	2.32 UJ	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.25	1.13 J	3.98	2.17 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.423 J	0.198 J	0.902	0.368 J
METALS	CADMIUM	MG/KG	NS	39	100	2.72 U	0.543 U	2.90 U	0.543 U
METALS	COPPER	MG/KG	NS	600	600	11.1	2.92	16.3 J	10.6
METALS	LEAD	MG/KG	NS	400	600	4.34	1.96 J	8.05	1.89 J
METALS	MERCURY	MG/KG	NS	14	270	0.0152 J	0.107 U	0.0352 J	0.106 U
METALS	NICKEL	MG/KG	NS	250	2400	17.4	2.53	13.3	5.76 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.18 U	2.17 U	2.32 U	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	0.544 U	0.543 U	0.580 U	0.543 U
METALS	THALLIUM	MG/KG	NS	2	2	1.29 J	1.67 J	2.32 U	2.17 U
METALS	ZINC	MG/KG	NS	1500	1500	32.2	7.51	39.9	22.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	330 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	330 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	330 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	330 U	350 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	330 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	6600 U	7000 U	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	820 U	880 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-A13-04 SB-R-A13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-A13-04 SB-R-A13-04(5.0-5.5) 05/23/06	AREA II TNT SB-R-B10-01 SB-R-B10-01(0.5-1.0) 05/25/06	AREA II TNT SB-R-B10-01 SB-R-B10-01(4.5-5.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B10-02 SB-R-B10-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B10-02 SB-R-B10-02(5.0-5.5) 05/25/06	AREA II TNT SB-R-B10-03 SB-R-B10-03(0.5-1.0) 06/13/06	AREA II TNT SB-R-B10-03 SB-R-B10-03(4.0-4.5) 06/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 UJ	3000 U	3100 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	810 UJ	760 U	770 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	810 UJ	760 U	770 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	810 UJ	760 U	770 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	810 UJ	760 U	770 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2300 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	660	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	260 J	190 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 J	190 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	410 J	190 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	140 J	190 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	420 U	380 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	270	190 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	45 J	190 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	150 J	190 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.48 UJ	2.21 UJ	1.16 J	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.89	2.78	3.27	3.03
METALS	BERYLLIUM	MG/KG	NS	2	2	0.688	0.671	0.800	0.619
METALS	CADMIUM	MG/KG	NS	39	100	0.621 U	2.77 U	2.87 UJ	0.557 U
METALS	COPPER	MG/KG	NS	600	600	22.4 J	15.2 J	16.3	14.5
METALS	LEAD	MG/KG	NS	400	600	234	4.83	5.93	4.26
METALS	MERCURY	MG/KG	NS	14	270	0.0963 J	0.0178 J	0.0319 J	0.0186 J
METALS	NICKEL	MG/KG	NS	250	2400	14.3	9.99	11.2	7.31
METALS	SELENIUM	MG/KG	NS	63	3100	2.48 U	2.21 U	2.29 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.621 U	0.229 J	0.574 U	0.557 U
METALS	THALLIUM	MG/KG	NS	2	2	2.48 U	2.21 U	2.29 U	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	82.2	67.4	35.4	18.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	380 U	340 U	360 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	740	340 U	360 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	630	340 U	360 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640	340 U	360 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	380 U	340 U	360 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	140000 UJ	140000 U	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7500 U	6800 U	7200 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	940 U	860 U	890 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	20 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B10-02 SB-R-B10-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B10-02 SB-R-B10-02(5.0-5.5) 05/25/06	AREA II TNT SB-R-B10-03 SB-R-B10-03(0.5-1.0) 06/13/06	AREA II TNT SB-R-B10-03 SB-R-B10-03(4.0-4.5) 06/13/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B11-01 SB-R-B11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B11-01 SB-R-B11-01(4.0-4.5) 05/23/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(6.0-6.5) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2800 U	2900 UJ	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	690 U	730 UJ	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	690 U	730 UJ	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	690 U	730 UJ	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	690 U	730 UJ	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	2000	180 U	4800	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	44 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	41 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	89 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	190 UJ	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	380 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	50 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	190 UJ	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	190 UJ	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.22 UJ	2.15 UJ	2.28 UJ	2.50 J
METALS	ARSENIC	MG/KG	NS	20	20	3.09	1.50 J	3.15	2.83
METALS	BERYLLIUM	MG/KG	NS	2	2	0.318 J	0.210 J	0.407 J	1.20
METALS	CADMIUM	MG/KG	NS	39	100	0.554 U	0.538 U	0.570 U	2.90 UJ
METALS	COPPER	MG/KG	NS	600	600	8.01	8.44	15.2 J	31.4
METALS	LEAD	MG/KG	NS	400	600	242	4.86	173	4.55
METALS	MERCURY	MG/KG	NS	14	270	0.0360 J	0.0125 J	0.0523 J	0.112 U
METALS	NICKEL	MG/KG	NS	250	2400	5.22	2.89	7.04	15.0
METALS	SELENIUM	MG/KG	NS	63	3100	2.22 U	2.15 U	2.28 U	2.32 U
METALS	SILVER	MG/KG	NS	110	4100	0.554 U	0.538 U	0.236 J	0.579 U
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.15 U	2.28 U	2.32 U
METALS	ZINC	MG/KG	NS	1500	1500	23.9	10.1	38.0	74.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	220 J	330 U	350 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	570	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	420	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	330 U	450	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	330 U	350 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6700 U	6900 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	830 U	860 UJ	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B11-01 SB-R-B11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B11-01 SB-R-B11-01(4.0-4.5) 05/23/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(6.0-6.5) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	33	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	27	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	60	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B11-03 SB-R-B11-03(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-03 SB-R-B11-03(4.5-5.0) 05/25/06	AREA II TNT SB-R-B12-01 SB-R-B12-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B12-01 SB-R-B12-01(4.0-4.5) 05/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	2800 U	2800 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	830 U	690 U	690 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	830 U	690 U	690 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	830 U	690 U	690 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	830 U	690 U	690 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	180 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2200 U	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	180 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	180 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 UJ	180 UJ	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	48 J	180 UJ	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 UJ	180 UJ	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	180 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	360 U	350 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	180 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	180 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 UJ	180 UJ	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	180 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 UJ	180 UJ	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	180 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	180 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.55 UJ	2.11 UJ	1.54 J	2.09 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.36	1.87 J	1.87 J	1.61 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.690	0.132 J	0.484 J	0.369 J
METALS	CADMIUM	MG/KG	NS	39	100	0.636 U	0.528 U	0.511 U	0.522 U
METALS	COPPER	MG/KG	NS	600	600	11.0 J	7.40 J	14.6	10.7
METALS	LEAD	MG/KG	NS	400	600	35.7	1.16 J	4.37	1.68 J
METALS	MERCURY	MG/KG	NS	14	270	0.0724 J	0.105 U	0.104 U	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	9.44	1.96	8.09	3.62
METALS	SELENIUM	MG/KG	NS	63	3100	1.29 J	2.11 U	2.05 U	2.09 U
METALS	SILVER	MG/KG	NS	110	4100	0.239 J	0.528 U	0.511 U	0.522 U
METALS	THALLIUM	MG/KG	NS	2	2	2.55 U	2.11 U	1.79 J	2.09 U
METALS	ZINC	MG/KG	NS	1500	1500	46.5	5.99	31.2	37.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	330 U	320 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	330 U	320 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	330 U	320 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	330 U	320 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	330 U	320 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	130000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7700 U	6500 U	6400 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	960 U	820 U	800 U	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	18 U	18 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	18 U	18 U	18 U

Table B3-3

Soil - Analytical Results - Area II
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B11-03 SB-R-B11-03(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-03 SB-R-B11-03(4.5-5.0) 05/25/06	AREA II TNT SB-R-B12-01 SB-R-B12-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B12-01 SB-R-B12-01(4.0-4.5) 05/23/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	18 U	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	18 U	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	18 U	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	18 U	18 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	18 U	18 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	18 U	18 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B12-02 SB-R-B12-02(0.5-1.0) 05/23/06	AREA II TNT SB-R-B12-02 SB-R-B12-02(2.5-3.0) 05/23/06	AREA II TNT SB-R-B12-03 SB-R-B12-03(0.5-1.0) 05/24/06	AREA II TNT SB-R-B12-03 SB-R-B12-03(2.5-3.0) 05/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2800 U	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	700 U	750 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	700 U	750 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	700 U	750 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	700 U	750 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.29 UJ	1.05 J	2.34 UJ	1.09 J
METALS	ARSENIC	MG/KG	NS	20	20	1.74 J	3.02	3.00	2.88
METALS	BERYLLIUM	MG/KG	NS	2	2	0.169 J	0.671	0.247 J	0.279 J
METALS	CADMIUM	MG/KG	NS	39	100	0.572 U	2.78 U	0.586 U	0.559 U
METALS	COPPER	MG/KG	NS	600	600	3.71	12.8	7.27	12.8
METALS	LEAD	MG/KG	NS	400	600	2.61	2.85	3.55	2.28
METALS	MERCURY	MG/KG	NS	14	270	0.0174 J	0.109 U	0.114 U	0.108 U
METALS	NICKEL	MG/KG	NS	250	2400	2.56	8.36	3.94	3.92
METALS	SELENIUM	MG/KG	NS	63	3100	2.29 U	2.22 U	2.34 U	2.24 U
METALS	SILVER	MG/KG	NS	110	4100	0.572 U	0.556 U	0.586 U	0.559 U
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U	2.22 U	2.34 U	1.09 J
METALS	ZINC	MG/KG	NS	1500	1500	9.57	30.0	15.6	11.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	350 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	350 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	350 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	350 UJ	340 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	350 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 U	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6700 U	7000 UJ	6800 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	840 U	880 UJ	850 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B12-02 SB-R-B12-02(0.5-1.0) 05/23/06	AREA II TNT SB-R-B12-02 SB-R-B12-02(2.5-3.0) 05/23/06	AREA II TNT SB-R-B12-03 SB-R-B12-03(0.5-1.0) 05/24/06	AREA II TNT SB-R-B12-03 SB-R-B12-03(2.5-3.0) 05/24/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B12-04 SB-R-B12-04(0.5-1.0) 05/24/06	AREA II TNT SB-R-B12-04 SB-R-B12-04(4.0-4.5) 05/24/06	AREA II TNT SB-R-B13-02 SB-R-B13-02(1.17-1.67) 05/18/06	AREA II TNT SB-R-B13-02 SB-R-B13-02(4.0-4.5) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	2700 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 U	770 U	680 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 U	770 U	680 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 U	770 U	680 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 U	770 U	680 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.07 J	2.24 UJ	2.19 UJ	2.30 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.25	2.28	3.46	3.13
METALS	BERYLLIUM	MG/KG	NS	2	2	0.384 J	0.416 J	0.510 J	0.424 J
METALS	CADMIUM	MG/KG	NS	39	100	0.579 U	0.560 U	2.74 U	0.574 U
METALS	COPPER	MG/KG	NS	600	600	15.3	10.0	12.0	13.9
METALS	LEAD	MG/KG	NS	400	600	19.7	3.56	74.2	14.6
METALS	MERCURY	MG/KG	NS	14	270	0.0384 J	0.106 U	0.0640 J	0.0240 J
METALS	NICKEL	MG/KG	NS	250	2400	5.12	4.75	6.96	7.52
METALS	SELENIUM	MG/KG	NS	63	3100	2.32 U	2.24 U	2.19 U	2.30 U
METALS	SILVER	MG/KG	NS	110	4100	0.579 U	0.560 U	0.548 U	0.574 U
METALS	THALLIUM	MG/KG	NS	2	2	2.32 U	2.24 U	2.19 U	2.30 U
METALS	ZINC	MG/KG	NS	1500	1500	24.1	21.7	38.0	35.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	340 UJ	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	340 UJ	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	340 UJ	340 U	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 UJ	340 UJ	340 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	340 UJ	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 UJ	6800 UJ	6800 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	860 UJ	850 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B12-04 SB-R-B12-04(0.5-1.0) 05/24/06	AREA II TNT SB-R-B12-04 SB-R-B12-04(4.0-4.5) 05/24/06	AREA II TNT SB-R-B13-02 SB-R-B13-02(1.17-1.67) 05/18/06	AREA II TNT SB-R-B13-02 SB-R-B13-02(4.0-4.5) 05/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B13-04 SB-R-B13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-B13-04 SB-R-B13-04(2.5-3.0) 05/23/06	AREA II TNT SB-R-B13-04 TP-R-B13-04(6.5-7.0) 08/10/06	AREA II TNT SB-R-C10-01 SB-R-C10-01(0.5-1.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3600 U	2800 U	NA	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	900 U	700 U	NA	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	900 U	700 U	NA	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	900 U	700 U	NA	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	900 U	700 U	NA	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2200 U	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	760	1300	11000	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 J	44 J	180 U	45 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 J	190 U	180 U	47 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	320 J	55 J	180 U	72 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	99 J	190 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	370 U	350 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	280	51 J	180 U	47 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	100 J	190 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	130 J	190 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.26 J	1.52 J	NA	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	23.1	4.28	NA	2.86
METALS	BERYLLIUM	MG/KG	NS	2	2	0.648	0.620	NA	0.569
METALS	CADMIUM	MG/KG	NS	39	100	0.616 U	2.71 U	NA	0.542 U
METALS	COPPER	MG/KG	NS	600	600	28.5	19.9	NA	14.5 J
METALS	LEAD	MG/KG	NS	400	600	38.4	7.64	NA	26.7
METALS	MERCURY	MG/KG	NS	14	270	0.123	0.0147 J	NA	0.0208 J
METALS	NICKEL	MG/KG	NS	250	2400	11.4	12.7	NA	9.66
METALS	SELENIUM	MG/KG	NS	63	3100	2.46 U	2.17 U	NA	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	0.616 U	0.542 U	NA	0.542 U
METALS	THALLIUM	MG/KG	NS	2	2	2.46 U	1.25 J	NA	1.67 J
METALS	ZINC	MG/KG	NS	1500	1500	24.1	66.2	NA	38.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	330 U	NA	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	20000 J	NA	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	330 U	NA	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	330 U	NA	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	330 U	NA	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	130000 UJ	NA	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7500 U	6700 U	NA	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	930 U	840 U	NA	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	NA	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	NA	19 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B13-04 SB-R-B13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-B13-04 SB-R-B13-04(2.5-3.0) 05/23/06	AREA II TNT SB-R-B13-04 TP-R-B13-04(6.5-7.0) 08/10/06	AREA II TNT SB-R-C10-01 SB-R-C10-01(0.5-1.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	NA	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	NA	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	NA	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	4.5 J	19 U	NA	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	4.9 J	19 U	NA	4.3 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	9.4 J	19 U	NA	4.3 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C10-01 SB-R-C10-01(4.5-5.0) 05/25/06	AREA II TNT SB-R-C10-03 SB-R-C10-03(0.5-1.0) 06/07/06	AREA II TNT SB-R-C10-03 SB-R-C10-03(2.33-2.83) 06/07/06	AREA II TNT SB-R-C10-04 SB-R-C10-04(0.5-1.0) 06/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 UJ	4800 U	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	730 UJ	1200 U	740 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 UJ	1200 U	740 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 UJ	1200 U	740 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 UJ	1200 U	740 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	200 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	200 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	200 U	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	200 U	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	200 U	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	200 U	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	200 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	400 U	370 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	200 U	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	200 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	200 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	200 U	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	200 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	200 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.25 UJ	2.37 UJ	0.998 J	2.28 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.45	3.15	2.78	3.20
METALS	BERYLLIUM	MG/KG	NS	2	2	0.791	0.521 J	0.492 J	0.930
METALS	CADMIUM	MG/KG	NS	39	100	0.562 U	0.592 U	2.69 U	2.85 UJ
METALS	COPPER	MG/KG	NS	600	600	14.6 J	7.08 J	14.6 J	16.5
METALS	LEAD	MG/KG	NS	400	600	2.91	9.25	3.62	6.40
METALS	MERCURY	MG/KG	NS	14	270	0.106 U	0.0391 J	0.0362 J	0.0290 J
METALS	NICKEL	MG/KG	NS	250	2400	8.44	5.77 J	8.51 J	12.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.25 U	2.37 U	2.16 U	2.28 U
METALS	SILVER	MG/KG	NS	110	4100	0.320 J	0.592 U	0.539 U	0.570 U
METALS	THALLIUM	MG/KG	NS	2	2	2.25 U	2.37 U	2.16 U	1.66 J
METALS	ZINC	MG/KG	NS	1500	1500	31.6	27.0	28.0	40.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	360 U	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	360 U	340 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	360 U	340 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	360 U	340 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	360 U	340 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	130000 UJ	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	7200 U	6700 U	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	900 UJ	840 UJ	890 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	19 U	20 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C10-01 SB-R-C10-01(4.5-5.0) 05/25/06	AREA II TNT SB-R-C10-03 SB-R-C10-03(0.5-1.0) 06/07/06	AREA II TNT SB-R-C10-03 SB-R-C10-03(2.33-2.83) 06/07/06	AREA II TNT SB-R-C10-04 SB-R-C10-04(0.5-1.0) 06/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	20 U	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	20 U	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C10-04 SB-R-C10-04(2.0-2.5) 06/12/06	AREA II TNT SB-R-C10-04 TP-R-C10-04(6.0-6.5) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.29 UJ	1.51 J
METALS	ARSENIC	MG/KG	NS	20	20	2.02 J	2.41
METALS	BERYLLIUM	MG/KG	NS	2	2	1.45	0.750
METALS	CADMIUM	MG/KG	NS	39	100	2.87 U	2.72 U
METALS	COPPER	MG/KG	NS	600	600	28.8	16.9 J
METALS	LEAD	MG/KG	NS	400	600	5.36	2.58
METALS	MERCURY	MG/KG	NS	14	270	0.0233 J	0.0157 J
METALS	NICKEL	MG/KG	NS	250	2400	19.1	8.96
METALS	SELENIUM	MG/KG	NS	63	3100	1.82 J	2.18 U
METALS	SILVER	MG/KG	NS	110	4100	0.504 J	0.544 U
METALS	THALLIUM	MG/KG	NS	2	2	2.01 J	2.32
METALS	ZINC	MG/KG	NS	1500	1500	45.9	26.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C10-04 SB-R-C10-04(2.0-2.5) 06/12/06	AREA II TNT SB-R-C10-04 TP-R-C10-04(6.0-6.5) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-01 SB-R-C9-01(0.5-1.0) 05/16/06	AREA II TNT SB-R-C9-01 SB-R-C9-01(2.0-2.5) 05/16/06	AREA II TNT SB-R-C9-01 TP-R-C9-01(6.0-6.5) 08/08/06	AREA II TNT SB-R-C9-02 SB-R-C9-02(0.5-1.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	NA	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	730 U	NA	780 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	730 U	NA	780 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	730 U	NA	780 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	730 U	NA	780 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	NA	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	NA	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	NA	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	NA	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	NA	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	NA	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	NA	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	NA	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	370 U	NA	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	NA	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	NA	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	NA	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	NA	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	NA	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	NA	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	NA	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.35 UJ	2.23 UJ	2.13 UJ	2.44 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.30	25.3	8.72	2.84
METALS	BERYLLIUM	MG/KG	NS	2	2	0.359 J	0.484 J	0.430 J	0.585 J
METALS	CADMIUM	MG/KG	NS	39	100	0.515 J	0.862	2.66 U	1.07
METALS	COPPER	MG/KG	NS	600	600	7.70	16.3	12.6	18.4
METALS	LEAD	MG/KG	NS	400	600	4.52	6.72	3.13	6.27
METALS	MERCURY	MG/KG	NS	14	270	0.0176 J	0.107 U	0.102 U	0.0079 J
METALS	NICKEL	MG/KG	NS	250	2400	4.93	7.42	4.88	15.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.35 U	2.23 U	2.13 U	2.44 U
METALS	SILVER	MG/KG	NS	110	4100	0.586 U	0.558 U	0.532 U	0.293 J
METALS	THALLIUM	MG/KG	NS	2	2	2.35 U	2.23 U	2.13 U	2.44 U
METALS	ZINC	MG/KG	NS	1500	1500	28.8 J	22.6 J	10.8 J	39.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 U	NA	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	330 U	NA	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	330 U	NA	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	330 U	NA	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	330 U	NA	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	NA	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6700 U	NA	7400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 U	840 U	NA	920 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	NA	21 U

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-01 SB-R-C9-01(0.5-1.0) 05/16/06	AREA II TNT SB-R-C9-01 SB-R-C9-01(2.0-2.5) 05/16/06	AREA II TNT SB-R-C9-01 TP-R-C9-01(6.0-6.5) 08/08/06	AREA II TNT SB-R-C9-02 SB-R-C9-02(0.5-1.0) 05/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	NA	21 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	NA	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	NA	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	NA	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	19 U	NA	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	19 U	NA	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	19 U	NA	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-02 SB-R-C9-02(2.5-3.0) 05/16/06	AREA II TNT SB-R-C9-03 SB-R-C9-03(0.5-1.0) 05/16/06	AREA II TNT SB-R-C9-03 SB-R-C9-03(2.0-2.5) 05/16/06	AREA II TNT SB-R-C9-04 SB-R-C9-04(0.5-1.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3100 U	2900 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	780 U	730 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	780 U	730 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	780 U	730 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	780 U	730 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	200 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	200 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	200 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	390 U	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	200 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.36 UJ	2.31 UJ	2.25 UJ	2.31 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.08	2.86	3.14	3.64
METALS	BERYLLIUM	MG/KG	NS	2	2	0.944	0.857	1.00	0.724
METALS	CADMIUM	MG/KG	NS	39	100	1.19	0.891	0.980	2.89 U
METALS	COPPER	MG/KG	NS	600	600	20.7	16.0	21.0	12.5 J
METALS	LEAD	MG/KG	NS	400	600	7.01	6.51	6.43	5.52
METALS	MERCURY	MG/KG	NS	14	270	0.0097 J	0.0229 J	0.0252 J	0.0205 J
METALS	NICKEL	MG/KG	NS	250	2400	16.6	14.1	17.2	10.9
METALS	SELENIUM	MG/KG	NS	63	3100	1.24 J	2.31 U	2.25 U	2.31 U
METALS	SILVER	MG/KG	NS	110	4100	0.272 J	0.293 J	0.293 J	0.249 J
METALS	THALLIUM	MG/KG	NS	2	2	2.36 U	2.31 U	1.15 J	2.31 U
METALS	ZINC	MG/KG	NS	1500	1500	36.7 J	48.5 J	39.1 J	29.1
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	350 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	350 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	350 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	350 U	350 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	350 U	350 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	7100 U	7000 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	890 U	880 U	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-02 SB-R-C9-02(2.5-3.0) 05/16/06	AREA II TNT SB-R-C9-03 SB-R-C9-03(0.5-1.0) 05/16/06	AREA II TNT SB-R-C9-03 SB-R-C9-03(2.0-2.5) 05/16/06	AREA II TNT SB-R-C9-04 SB-R-C9-04(0.5-1.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-04 SB-R-C9-04(3.0-3.5) 05/25/06	AREA II TNT TP-R-A11-2-1 TP-R-A11-2-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-2-1 TP-R-A11-2-1(6.5-7.0) 08/08/06	AREA II TNT TP-R-A11-2-2 TP-R-A11-2-2(2.0-2.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	NA	NA	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	NA	NA	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	NA	NA	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	NA	NA	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	NA	NA	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	NA	NA	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.31 UJ	1.90 J	2.22 UJ	2.15 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.41	3.40	1.55 J	1.63 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.405 J	0.233 J	0.133 J	0.144 J
METALS	CADMIUM	MG/KG	NS	39	100	0.579 U	0.328 J	0.189 J	0.324 J
METALS	COPPER	MG/KG	NS	600	600	5.24 J	17.3	11.4	10.2 J
METALS	LEAD	MG/KG	NS	400	600	3.60	15.4	1.68	184
METALS	MERCURY	MG/KG	NS	14	270	0.0125 J	0.0773 J	0.111 U	0.0168 J
METALS	NICKEL	MG/KG	NS	250	2400	4.87	4.19	1.44	2.64
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.24 U	1.51 J	2.15 U
METALS	SILVER	MG/KG	NS	110	4100	0.579 U	0.559 U	0.555 U	0.189 J
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	11.2 U	2.22 U	2.15 U
METALS	ZINC	MG/KG	NS	1500	1500	19.9	20.6	5.76 J	12.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	NA	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	NA	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	NA	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	NA	NA	NA

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C9-04 SB-R-C9-04(3.0-3.5) 05/25/06	AREA II TNT TP-R-A11-2-1 TP-R-A11-2-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-2-1 TP-R-A11-2-1(6.5-7.0) 08/08/06	AREA II TNT TP-R-A11-2-2 TP-R-A11-2-2(2.0-2.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-2-2 TP-R-A11-2-2(7.0-7.5) 08/08/06	AREA II TNT TP-R-A11-4-1 TP-R-A11-4-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-4-1 TP-R-A11-4-1(8.0-8.5) 08/07/06	AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA	NA	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA	NA	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.11 UJ	2.28 UJ	2.11 UJ	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.85 J	2.17 J	2.11 U	2.29
METALS	BERYLLIUM	MG/KG	NS	2	2	0.183 J	0.598	0.527 U	0.352 J
METALS	CADMIUM	MG/KG	NS	39	100	0.182 J	0.541 J	0.110 J	0.490 J
METALS	COPPER	MG/KG	NS	600	600	14.4 J	14.1	4.32	13.2
METALS	LEAD	MG/KG	NS	400	600	34.8	6.68	4.74	3790
METALS	MERCURY	MG/KG	NS	14	270	0.106 U	0.0159 J	0.0996 U	0.0460 J
METALS	NICKEL	MG/KG	NS	250	2400	2.68	10.4	1.05 U	4.85
METALS	SELENIUM	MG/KG	NS	63	3100	2.11 U	2.28 U	2.11 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.527 U	0.571 U	0.527 U	0.559
METALS	THALLIUM	MG/KG	NS	2	2	2.11 U	11.4 U	10.5 U	10.7 U
METALS	ZINC	MG/KG	NS	1500	1500	9.86 J	35.7	2.26 J	46.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	1300 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	5800000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	20000 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	29000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	NA	2500000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	6700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA	NA	830 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-2-2 TP-R-A11-2-2(7.0-7.5) 08/08/06	AREA II TNT TP-R-A11-4-1 TP-R-A11-4-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-4-1 TP-R-A11-4-1(8.0-8.5) 08/07/06	AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(8.0-8.5) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(5.0-5.5) 08/07/06	AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	180 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2200 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	78 J	180 U	6500
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	180 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	180 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	180 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	180 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	180 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	360 U	360 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	180 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	180 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	180 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	180 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	180 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	180 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	180 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.07 UJ	1.16 J	2.16 UJ	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.77 J	1.80 J	2.16 U	2.13 U
METALS	BERYLLIUM	MG/KG	NS	2	2	0.126 J	0.703	0.540 U	0.0736 J
METALS	CADMIUM	MG/KG	NS	39	100	0.251 J	0.585	0.203 J	0.214 J
METALS	COPPER	MG/KG	NS	600	600	8.85	13.7	7.31	3.09
METALS	LEAD	MG/KG	NS	400	600	104	411	7.02	77.9
METALS	MERCURY	MG/KG	NS	14	270	0.107 U	0.0313 J	0.101 U	0.106 U
METALS	NICKEL	MG/KG	NS	250	2400	1.19	8.92	0.830 J	0.971 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.07 U	1.72 J	2.16 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.518 U	0.271 J	0.540 U	0.533 U
METALS	THALLIUM	MG/KG	NS	2	2	10.4 U	10.8 U	2.16 U	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	5.93 J	123	4.66 J	7.62
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	320 U	520 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	64000	7100 J	1000	1400000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	520 J	2300	110 J	1900 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	850	3000	650 U	1700 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	320 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	130000 U	2000000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6500 U	6500 U	6500 U	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	820 U	810 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(8.0-8.5) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(5.0-5.5) 08/07/06	AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(7.5-8.0) 08/07/06	AREA II TNT TP-R-A11-504-1 TP-R-A11-504-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-1 TP-R-A11-504-1(7.0-7.5) 08/08/06	AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2300 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	6000	200 U	290
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	79 J	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	160 J	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	320	200 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	82 J	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	380 U	410 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	280	200 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	170 J	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	210	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.09 J	1.74 J	1.97 J	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.13 U	5.62	3.53	3.14
METALS	BERYLLIUM	MG/KG	NS	2	2	0.534 U	0.328 J	0.606	0.180 J
METALS	CADMIUM	MG/KG	NS	39	100	0.534 U	0.543 U	0.600 U	0.559 U
METALS	COPPER	MG/KG	NS	600	600	0.874 J	12.2 J	18.2 J	13.1 J
METALS	LEAD	MG/KG	NS	400	600	2.90	1350	7.55	88.1
METALS	MERCURY	MG/KG	NS	14	270	0.106 U	0.177	0.0166 J	0.0459 J
METALS	NICKEL	MG/KG	NS	250	2400	1.07 U	8.72	9.44	3.14
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	1.24 J	2.40 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.534 U	0.238 J	0.226 J	0.559 U
METALS	THALLIUM	MG/KG	NS	2	2	10.7 U	2.17 U	2.40 U	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	2.17 J	42.8 J	27.6 J	17.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	720 J	370 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	23000	910 J	370 U	490 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 J	880	370 U	1200
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	280 J	940	730 U	1600
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	340 U	370 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	7300 J	7300 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	850 U	920 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(7.5-8.0) 08/07/06	AREA II TNT TP-R-A11-504-1 TP-R-A11-504-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-1 TP-R-A11-504-1(7.0-7.5) 08/08/06	AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(10.0-10.5) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(6.0-6.5) 08/08/06	AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1100 U	200 U	170 U	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	14000 U	2400 U	2100 U	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	26000	450	440	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1100 U	200 U	170 U	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1100 U	200 U	170 U	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1100 U	200 U	170 U	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1100 U	200 U	170 U	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1100 U	200 U	170 U	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	2300 U	400 U	350 U	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	1100 U	200 U	170 U	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1100 U	200 U	170 U	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1100 U	200 U	170 U	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1100 U	200 U	170 U	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1100 U	200 U	170 U	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1100 U	200 U	170 U	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1100 U	200 U	170 U	NA
METALS	ANTIMONY	MG/KG	NS	14	340	1.31 J	2.32 UJ	2.09 UJ	2.19 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.95	3.98	2.09 U	3.30
METALS	BERYLLIUM	MG/KG	NS	2	2	0.193 J	0.636	0.521 U	0.174 J
METALS	CADMIUM	MG/KG	NS	39	100	0.669 U	0.580 U	0.521 U	0.319 J
METALS	COPPER	MG/KG	NS	600	600	2.60 J	15.2 J	3.55 J	40.0
METALS	LEAD	MG/KG	NS	400	600	76.1	587	3.28	13300
METALS	MERCURY	MG/KG	NS	14	270	0.132 U	0.0537 J	0.102 U	0.0723 J
METALS	NICKEL	MG/KG	NS	250	2400	2.04	10.3	0.813 J	4.66
METALS	SELENIUM	MG/KG	NS	63	3100	2.68 U	2.32 U	2.09 U	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.669 U	0.267 J	0.521 U	1.65
METALS	THALLIUM	MG/KG	NS	2	2	2.68 U	2.32 U	2.09 U	10.9 U
METALS	ZINC	MG/KG	NS	1500	1500	18.4 J	66.7 J	3.87 J	49.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	1400	360 U	310 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130000 J	460 J	310 U	480000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	1400	520	310 U	14000
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	6600 J	950	630 U	11000
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	1100 J	360 U	310 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	140000 UJ	120000 UJ	140000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	9100 J	12000 J	6300 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 U	900 U	780 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(10.0-10.5) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(6.0-6.5) 08/08/06	AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(6.5-7.0) 08/07/06	AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(6.5-7.0) 08/07/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(0.5-1.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA	NA	19000 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	220000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	230000
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	19000 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	19000 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	19000 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	19000 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA	NA	19000 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA	NA	37000 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	19000 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA	NA	19000 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	19000 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA	NA	19000 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	19000 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	19000 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA	NA	19000 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.23 UJ	2.23 UJ	2.29 UJ	NA
METALS	ARSENIC	MG/KG	NS	20	20	1.95 J	3.77	1.98 J	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	0.0949 J	0.186 J	0.470 J	NA
METALS	CADMIUM	MG/KG	NS	39	100	0.223 J	0.163 J	0.410 J	NA
METALS	COPPER	MG/KG	NS	600	600	8.06	7.74	17.7	NA
METALS	LEAD	MG/KG	NS	400	600	396	1510	576	NA
METALS	MERCURY	MG/KG	NS	14	270	0.107 U	0.0875 J	0.112 U	NA
METALS	NICKEL	MG/KG	NS	250	2400	1.04 J	4.20	9.54	NA
METALS	SELENIUM	MG/KG	NS	63	3100	2.23 U	2.23 U	2.29 U	NA
METALS	SILVER	MG/KG	NS	110	4100	0.342 J	0.365 J	0.284 J	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U	11.2 U	2.29 U	NA
METALS	ZINC	MG/KG	NS	1500	1500	16.5	9.32	33.2	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	NA	NA	9000 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	7900 J	NA	NA	120000000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	720	NA	NA	63000 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	1100	NA	NA	86000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	NA	NA	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	NA	NA	22000000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	NA	NA	670000 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	NA	NA	840 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(6.5-7.0) 08/07/06	AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(6.5-7.0) 08/07/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(0.5-1.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(2.0-2.5) 08/14/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(8.5-9.0) 08/14/06	AREA II TNT TP-R-A12-426-1 TP-R-A12-426-1(0.5-1.0) 08/15/06	AREA II TNT TP-R-A12-426-1 TP-R-A12-426-1(6.5-7.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1700 U	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	20000 U	2300 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	120000	660	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1700 U	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1700 U	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1700 U	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1700 U	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1700 U	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3300 U	380 U	390 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	1700 U	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1700 U	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1700 U	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1700 U	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1700 U	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1700 U	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1700 U	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	9300 J	350 UJ	350 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	92000000 J	16000 J	350 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	57000 J	350 UJ	350 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	74000 J	690 UJ	690 UJ	650 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	300 UJ	350 UJ	350 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	19000000 J	140000 UJ	95000 J	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6000 UJ	6900 UJ	6900 UJ	6500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	750 UJ	860 UJ	870 UJ	810 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(2.0-2.5) 08/14/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(8.5-9.0) 08/14/06	AREA II TNT TP-R-A12-426-1 TP-R-A12-426-1(0.5-1.0) 08/15/06	AREA II TNT TP-R-A12-426-1 TP-R-A12-426-1(6.5-7.0) 08/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(0.5-1.0) 08/16/06	AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(7.0-7.5) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(8.5-9.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	370 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	340 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1100 J	300 J	1800 J	520
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	410	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	700 U	680 U	360 J	630 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	340 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6800 U	3300 J	6300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	850 U	840 U	790 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(0.5-1.0) 08/16/06	AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(7.0-7.5) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(8.5-9.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(9.0-9.5) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(9.0-9.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	200 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2100 U	2300 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	200 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	200 U	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	200 U	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	180 U	200 U	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	200 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	200 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	350 U	390 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	200 U	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	200 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	200 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	200 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	200 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	200 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	200 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	320 U	350 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	180 J	300 J	260 J	600 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	320 U	350 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 U	630 U	700 U	630 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	320 U	350 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	6300 U	7000 U	6300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	790 U	880 U	790 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(9.0-9.5) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(9.0-9.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(1.0-1.5) 08/16/06	AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(8.0-8.5) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(8.5-9.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	170 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2100 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	170 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	170 U	72 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	170 U	48 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	170 U	74 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	170 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	170 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	350 U	370 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	170 U	72 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	170 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	170 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	170 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	170 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	170 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	170 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	310 U	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	100000 J	360 J	200 J	710 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	700	310 U	330 U	160 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	620 J	630 U	660 U	630 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	310 U	330 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	5400 J	6300 U	6600 U	6300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	780 U	820 U	790 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(1.0-1.5) 08/16/06	AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(8.0-8.5) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(8.5-9.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-6 TP-R-A13-625-6(1.0-1.5) 08/16/06	AREA II TNT TP-R-A13-625-6 TP-R-A13-625-6(8.0-8.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	17000	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	59 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	49 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	110 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	41 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	71 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 UJ	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	50 J	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	4800 J	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2800000 J	2500 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	14000 J	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 U	640 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	2100000 J	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	69000 J	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	360 J	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-6 TP-R-A13-625-6(1.0-1.5) 08/16/06	AREA II TNT TP-R-A13-625-6 TP-R-A13-625-6(8.0-8.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(10.5-11.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	44 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	42 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	75 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	42 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	65 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	410
METALS	ANTIMONY	MG/KG	NS	14	340	2.15 UJ	2.23 UJ	3.61 J
METALS	ARSENIC	MG/KG	NS	20	20	5.06	3.23	6.14
METALS	BERYLLIUM	MG/KG	NS	2	2	0.450 J	1.14	0.714
METALS	CADMIUM	MG/KG	NS	39	100	0.538 U	0.557 U	0.547 U
METALS	COPPER	MG/KG	NS	600	600	15.3 J	21.5 J	16.4 J
METALS	LEAD	MG/KG	NS	400	600	60.5	3.61	770
METALS	MERCURY	MG/KG	NS	14	270	0.0416 J	0.107 U	0.0511 J
METALS	NICKEL	MG/KG	NS	250	2400	9.12	9.46	10.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.15 U	2.23 U	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.538 U	0.557 U	0.547 U
METALS	THALLIUM	MG/KG	NS	2	2	2.15 U	2.23 U	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	37.9 J	31.5 J	80.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	420 U	460 UJ	1400 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	480 J	340 U	780 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 U	690 U	670 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	340 U	230 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6300 J	6900 U	6400 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	860 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(10.5-11.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
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E&E = Explosive and energetic constituents
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TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
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Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(8.0-8.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(9.5-10.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1200	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	4200	190 U	290
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	3600	190 U	230
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	4200	190 U	280
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1900	190 U	160 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	380 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	4700	190 U	280
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	640	190 U	43 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1800	190 U	120 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.25 J	2.19 UJ	1.25 J
METALS	ARSENIC	MG/KG	NS	20	20	3.94	1.64 J	5.36
METALS	BERYLLIUM	MG/KG	NS	2	2	0.473 J	0.340 J	0.730
METALS	CADMIUM	MG/KG	NS	39	100	0.578 U	0.549 U	0.542 U
METALS	COPPER	MG/KG	NS	600	600	19.2 J	5.01 J	31.0 J
METALS	LEAD	MG/KG	NS	400	600	311	16.0	199
METALS	MERCURY	MG/KG	NS	14	270	0.0381 J	0.106 U	0.497
METALS	NICKEL	MG/KG	NS	250	2400	8.19	3.78	11.5
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.19 U	2.17 U
METALS	SILVER	MG/KG	NS	110	4100	0.578 U	0.549 U	0.542 U
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.19 U	1.55 J
METALS	ZINC	MG/KG	NS	1500	1500	54.7 J	10.7 J	86.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	1000
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	820 UJ	720 UJ	6100000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	540	420 J	12000 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	430 J	680 U	8200
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	3800 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	3600 J	3000 J	68000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	850 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(8.0-8.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(9.5-10.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(13.0-13.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(14.0-14.5) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	710	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	56 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	49 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	69 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	67 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.73 J	2.39 UJ	2.16 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.07	2.99	2.36
METALS	BERYLLIUM	MG/KG	NS	2	2	1.49	0.557 J	1.10
METALS	CADMIUM	MG/KG	NS	39	100	0.0911 J	0.597 U	0.540 U
METALS	COPPER	MG/KG	NS	600	600	29.8 J	17.3 J	19.0 J
METALS	LEAD	MG/KG	NS	400	600	4.41	209	2.62
METALS	MERCURY	MG/KG	NS	14	270	0.110 U	0.0510 J	0.111 U
METALS	NICKEL	MG/KG	NS	250	2400	14.0	8.38	8.82
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.39 U	2.16 U
METALS	SILVER	MG/KG	NS	110	4100	0.577 U	0.597 U	0.540 U
METALS	THALLIUM	MG/KG	NS	2	2	1.87 J	2.39 U	1.88 J
METALS	ZINC	MG/KG	NS	1500	1500	84.1 J	56.7 J	32.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	160 J	950
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	520 UJ	5200 J	3100 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	530	1600 J	1400
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 J	2800 J	1200
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	360 UJ	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8900	7200 UJ	11000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	890 UJ	310 J
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(13.0-13.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(14.0-14.5) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-5 TP-R-B10-2/B10-509-5(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-5 TP-R-B10-2/B10-509-5(11.0-11.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-6 TP-R-B10-2/B10-509-6(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	98 J	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	89 J	190 U	650
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	68 J	190 U	570
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	88 J	190 U	650
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	50 J	190 U	330
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	390 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	89 J	190 U	680
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	82 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	330
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.16 UJ	1.29 J	2.23 J
METALS	ARSENIC	MG/KG	NS	20	20	4.36	3.02	3.97
METALS	BERYLLIUM	MG/KG	NS	2	2	0.759	1.37	1.05
METALS	CADMIUM	MG/KG	NS	39	100	0.540 U	0.571 U	0.536 U
METALS	COPPER	MG/KG	NS	600	600	20.7 J	26.1 J	36.4 J
METALS	LEAD	MG/KG	NS	400	600	137	2.95	561
METALS	MERCURY	MG/KG	NS	14	270	0.0553 J	0.113 U	0.0238 J
METALS	NICKEL	MG/KG	NS	250	2400	12.1	11.7	11.0
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 U	2.28 U	2.14 U
METALS	SILVER	MG/KG	NS	110	4100	0.540 U	0.571 U	0.536 U
METALS	THALLIUM	MG/KG	NS	2	2	2.16 U	2.50	2.14 U
METALS	ZINC	MG/KG	NS	1500	1500	59.2 J	62.5 J	72.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	280 J	140 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1900 J	12000 J	850 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	510	3200	630
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 U	4500	910
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8300 J	21000 J	5300 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	870 U	830 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area			AREA II TNT	AREA II TNT	AREA II TNT
			Location ID			TP-R-B10-2/B10-509-5	TP-R-B10-2/B10-509-5	TP-R-B10-2/B10-509-6
			Field Sample ID			TP-R-B10-2/B10-509-5(1.5-2.0)	TP-R-B10-2/B10-509-5(11.0-11.5)	TP-R-B10-2/B10-509-6(1.5-2.0)
			Sample Date			08/10/06	08/10/06	08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT	AREA II TNT	AREA II TNT
			Location ID			TP-R-B10-2/B10-509-6	TP-R-B10-2/B10-509-7	TP-R-B10-2/B10-509-7
			Field Sample ID			TP-R-B10-2/B10-509-6(9.5-10.0)	TP-R-B10-2/B10-509-7(1.5-2.0)	TP-R-B10-2/B10-509-7(10.5-11.0)
			Sample Date			08/10/06	08/10/06	08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	510	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	370 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.94 J	2.25 UJ	2.11 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.62	3.91	7.08
METALS	BERYLLIUM	MG/KG	NS	2	2	1.17	0.664	0.853
METALS	CADMIUM	MG/KG	NS	39	100	0.609 U	0.562 U	0.528 U
METALS	COPPER	MG/KG	NS	600	600	23.3 J	13.1 J	21.1 J
METALS	LEAD	MG/KG	NS	400	600	5.66	78.3	30.8
METALS	MERCURY	MG/KG	NS	14	270	0.0407 J	0.0425 J	0.106 U
METALS	NICKEL	MG/KG	NS	250	2400	12.1	8.77	5.82
METALS	SELENIUM	MG/KG	NS	63	3100	2.44 U	2.25 U	2.11 U
METALS	SILVER	MG/KG	NS	110	4100	0.609 U	0.562 U	0.528 U
METALS	THALLIUM	MG/KG	NS	2	2	1.92 J	2.25 U	2.11 U
METALS	ZINC	MG/KG	NS	1500	1500	51.9 J	34.1 J	22.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 UJ	840 J	330 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 UJ	150000 J	4400 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 J	12000 J	930
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	730 UJ	8500 J	1200
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 UJ	340 UJ	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	3000 J	71000 J	7100 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 UJ	840 UJ	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-2/B10-509-6 TP-R-B10-2/B10-509-6(9.5-10.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(10.5-11.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(4.0-4.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(10.5-11.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	4200	640	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	160 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	130 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	150 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	91 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	160 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	70 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.24 J	2.21 UJ	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.29	3.10	2.61
METALS	BERYLLIUM	MG/KG	NS	2	2	0.713	0.584	0.776
METALS	CADMIUM	MG/KG	NS	39	100	0.579 U	0.554 U	0.556 U
METALS	COPPER	MG/KG	NS	600	600	19.1 J	16.3 J	17.8 J
METALS	LEAD	MG/KG	NS	400	600	201	337	2.16
METALS	MERCURY	MG/KG	NS	14	270	0.0314 J	0.229	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	10.3	7.88	6.69
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.21 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.579 U	0.554 U	0.556 U
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.21 U	2.22 U
METALS	ZINC	MG/KG	NS	1500	1500	39.0 J	47.2 J	28.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 J	840 J	280 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110000 J	150000 J	160000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	14000 J	12000	11000
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	14000 J	8800	11000
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	210 J	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	87000 J	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	79000 J	71000 J	64000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 UJ	430 J	370 J
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(4.0-4.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(10.5-11.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(4.5-5.0) 08/10/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-B10-5-1(12.0-12.5) 08/11/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(4.5-5.0) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	2600	45000	81 J	52000
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	88 J	460	190 U	60 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	65 J	350	190 U	48 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	93 J	460	190 U	88 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	50 J	150 J	190 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	390 U	370 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	130 J	440	190 U	100 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	60 J	190 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	210	190 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.35 J	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	3.34	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	0.759	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	0.561 U	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	17.8 J	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	191	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	0.0257 J	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	8.42	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	2.24 U	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	0.561 U	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	186 J	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	890 J	640 J	330 U	3500 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2900 J	1200000 J	19000 J	17000000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	1200 J	4700 J	1800	22000 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	1100 J	5400 J	4000 J	34000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	1800 J	330 U	7600 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	480000 J	130000 UJ	3600000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	9900 J	28000 J	12000 J	130000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 UJ	870 U	840 U	940 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(4.5-5.0) 08/10/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(12.0-12.5) 08/11/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(4.5-5.0) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(13.0-13.5) 08/08/06	AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(7.5-8.0) 08/08/06	AREA II TNT TP-R-B10-502-1 TP-R-B10-502-1(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA	NA	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA	NA	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.22 UJ	1.01 J	2.24 UJ	2.15 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.42	1.41 J	2.17 J	2.93
METALS	BERYLLIUM	MG/KG	NS	2	2	0.527 J	0.745	0.560	0.427 J
METALS	CADMIUM	MG/KG	NS	39	100	2.78 U	2.78 U	0.559 U	2.69 U
METALS	COPPER	MG/KG	NS	600	600	18.6 J	25.2 J	19.8 J	16.5 J
METALS	LEAD	MG/KG	NS	400	600	1040	1880	1300	8.31
METALS	MERCURY	MG/KG	NS	14	270	0.0665 J	0.108 U	0.0135 J	0.0296 J
METALS	NICKEL	MG/KG	NS	250	2400	8.71	10.7	8.38	9.00
METALS	SELENIUM	MG/KG	NS	63	3100	2.22 U	2.22 U	2.24 U	2.15 U
METALS	SILVER	MG/KG	NS	110	4100	0.354 J	0.352 J	0.210 J	0.538 U
METALS	THALLIUM	MG/KG	NS	2	2	2.22 U	2.22 U	2.24 U	2.15 U
METALS	ZINC	MG/KG	NS	1500	1500	38.8 J	43.9 J	35.9 J	28.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

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			Remedial Area Former Operational Area			AREA II TNT	AREA II TNT	AREA II TNT	AREA II TNT
			Location ID			TP-R-B10-501-1	TP-R-B10-501-1	TP-R-B10-501-1	TP-R-B10-502-1
			Field Sample ID			TP-R-B10-501-1(1.5-2.0)	TP-R-B10-501-1(13.0-13.5)	TP-R-B10-501-1(7.5-8.0)	TP-R-B10-502-1(1.5-2.0)
			Sample Date			08/08/06	08/08/06	08/08/06	08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-502-1 TP-R-B10-502-1(9.5-10.0) 08/08/06	AREA II TNT TP-R-B10-502-2 TP-R-B10-502-2(1.5-2.0) 08/08/06	AREA II TNT TP-R-B10-502-2 TP-R-B10-502-2(8.5-9.0) 08/08/06	AREA II TNT TP-R-B10-505-1 TP-R-B10-505-1(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA	NA	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA	NA	NA
METALS	ANTIMONY	MG/KG	NS	14	340	2.09 UJ	2.24 UJ	2.12 UJ	1.05 J
METALS	ARSENIC	MG/KG	NS	20	20	1.24 J	3.54	1.69 J	6.39
METALS	BERYLLIUM	MG/KG	NS	2	2	0.836	0.184 J	0.545	0.242 J
METALS	CADMIUM	MG/KG	NS	39	100	0.524 U	0.560 U	2.64 U	0.565 U
METALS	COPPER	MG/KG	NS	600	600	27.4 J	14.2 J	20.7 J	7.72 J
METALS	LEAD	MG/KG	NS	400	600	3.53	216	5.75	232
METALS	MERCURY	MG/KG	NS	14	270	0.103 U	0.0606 J	0.108 U	0.0640 J
METALS	NICKEL	MG/KG	NS	250	2400	8.66	4.55	7.59	5.41
METALS	SELENIUM	MG/KG	NS	63	3100	2.09 U	2.24 U	2.12 U	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.293 J	0.292 J	0.238 J	0.287 J
METALS	THALLIUM	MG/KG	NS	2	2	2.09 U	2.24 U	2.12 U	2.26 U
METALS	ZINC	MG/KG	NS	1500	1500	36.9 J	17.0 J	30.4 J	23.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-502-1 TP-R-B10-502-1(9.5-10.0) 08/08/06	AREA II TNT TP-R-B10-502-2 TP-R-B10-502-2(1.5-2.0) 08/08/06	AREA II TNT TP-R-B10-502-2 TP-R-B10-502-2(8.5-9.0) 08/08/06	AREA II TNT TP-R-B10-505-1 TP-R-B10-505-1(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-1 TP-R-B10-505-1(10.5-11.0) 08/08/06	AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(1.5-2.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2300 U	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	4900	190 U	250
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	88 J	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	53 J	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	140 J	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	190 U	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	380 U	370 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	260	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	100 J	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	55 J	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	190 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	190 U	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	190 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.16 UJ	1.21 J	1.31 J	2.31 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.98	3.36	2.75	3.37
METALS	BERYLLIUM	MG/KG	NS	2	2	0.779	0.408 J	0.759	0.934
METALS	CADMIUM	MG/KG	NS	39	100	0.316 J	0.570 U	2.75 U	0.577 U
METALS	COPPER	MG/KG	NS	600	600	24.4 J	126	19.8	11.1
METALS	LEAD	MG/KG	NS	400	600	2.16	802	4.93	69.3
METALS	MERCURY	MG/KG	NS	14	270	0.101 U	0.0717 J	0.108 U	0.0643 J
METALS	NICKEL	MG/KG	NS	250	2400	11.4	8.42	10.4	8.31
METALS	SELENIUM	MG/KG	NS	63	3100	2.16 U	2.28 U	2.20 U	2.31 U
METALS	SILVER	MG/KG	NS	110	4100	0.335 J	0.570 U	0.551 U	0.577 U
METALS	THALLIUM	MG/KG	NS	2	2	1.63 J	2.16 J	2.74	2.31 U
METALS	ZINC	MG/KG	NS	1500	1500	39.7 J	48.1	56.8	52.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	340 U	340 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	570000 J	580	230 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	22000	510	1100
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	35000	370 J	1300
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	340 U	340 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	730000 J	130000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	6800 U	6700 U	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	860 UJ	840 UJ	890 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-505-1 TP-R-B10-505-1(10.5-11.0) 08/08/06	AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(1.5-2.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(11.5-12.0) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(5.5-6.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2100 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	21000	180 U	47000
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	430	180 U	270
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	370	180 U	260
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	540	180 U	370
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	230	180 U	120 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	370 U	350 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	480	180 U	300
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	86 J	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	91 J	180 U	55 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	240	180 U	140 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	4.06 J	1.19 J	2.05 UJ	1.40 J
METALS	ARSENIC	MG/KG	NS	20	20	3.89	3.61	2.04 J	3.54
METALS	BERYLLIUM	MG/KG	NS	2	2	1.62	0.484 J	0.152 J	0.546 J
METALS	CADMIUM	MG/KG	NS	39	100	2.94 U	0.557 U	0.511 U	2.86 U
METALS	COPPER	MG/KG	NS	600	600	52.2	23.2	8.63	19.0
METALS	LEAD	MG/KG	NS	400	600	5.81	527	3.33	195
METALS	MERCURY	MG/KG	NS	14	270	0.0377 J	0.0580 J	0.101 U	0.0120 J
METALS	NICKEL	MG/KG	NS	250	2400	19.5	8.12	1.61	9.20
METALS	SELENIUM	MG/KG	NS	63	3100	2.35 U	2.23 U	2.05 U	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	0.589 U	0.557 U	0.511 U	0.572 U
METALS	THALLIUM	MG/KG	NS	2	2	2.71	2.23 U	2.05 U	2.29 U
METALS	ZINC	MG/KG	NS	1500	1500	41.9	59.8	8.35	38.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	320 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	1100000 J	1300	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	5100	320 U	7900
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 U	16000 J	640 U	13000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	320 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	1200000 J	130000 UJ	680000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	6700 U	6400 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	840 U	800 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(11.5-12.0) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(5.5-6.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(10.5-11.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(1.5-2.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	3700	180 U	4600	1100
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	200 U	40 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	200 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	46 J	180 U	40 J	48 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	370 U	400 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	64 J	180 U	51 J	54 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.35 UJ	2.12 UJ	2.12 J	2.12 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.62	4.97	3.92	1.65 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.455 J	0.419 J	0.571 J	0.345 J
METALS	CADMIUM	MG/KG	NS	39	100	0.588 U	2.66 U	0.590 U	0.0924 J
METALS	COPPER	MG/KG	NS	600	600	48.7	14.8	44.5	12.1
METALS	LEAD	MG/KG	NS	400	600	281	5.81	775	269
METALS	MERCURY	MG/KG	NS	14	270	0.0530 J	0.109 U	0.126	0.135
METALS	NICKEL	MG/KG	NS	250	2400	7.26	6.61	10.3	3.24
METALS	SELENIUM	MG/KG	NS	63	3100	2.35 U	2.12 U	2.36 U	2.12 U
METALS	SILVER	MG/KG	NS	110	4100	0.588 U	0.531 U	0.590 U	0.531 U
METALS	THALLIUM	MG/KG	NS	2	2	2.35 U	2.12 U	2.36 U	2.12 U
METALS	ZINC	MG/KG	NS	1500	1500	41.2	28.2	71.4	77.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 U	360 U	330 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	40000 J	4000	1200000 J	470000
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	25000	230 J	11000	4500 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	20000	270 J	13000	12000
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	330 U	360 U	140 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	330000 J	140000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	6600 U	7200 U	100000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	830 U	900 U	820 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

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			Remedial Area Former Operational Area			AREA II TNT	AREA II TNT	AREA II TNT	AREA II TNT
			Location ID			TP-R-B10-505-5	TP-R-B10-505-5	TP-R-B10-505-5	TP-R-B10-508-1
			Field Sample ID			TP-R-B10-505-5(1.5-2.0)	TP-R-B10-505-5(10.5-11.0)	TP-R-B10-505-5(5.5-6.0)	TP-R-B10-508-1(1.5-2.0)
			Sample Date			08/09/06	08/09/06	08/09/06	08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(10.0-10.5) 08/09/06	AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(14.5-15.0) 08/09/06	AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(10.5-11.0) 08/09/06	AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(2.0-2.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1500	190 U	180 U	1600
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	79 J	190 U	180 U	91 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	65 J	190 U	180 U	62 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	88 J	190 U	180 U	110 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	44 J	190 U	180 U	42 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	360 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	90 J	190 U	180 U	96 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	180 U	54 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.32 UJ	1.71 J	2.08 UJ	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.62	2.41	1.63 J	2.09 J
METALS	BERYLLIUM	MG/KG	NS	2	2	1.10	0.972	0.523	0.134 J
METALS	CADMIUM	MG/KG	NS	39	100	0.106 J	0.540 U	0.519 U	0.532 U
METALS	COPPER	MG/KG	NS	600	600	23.8	24.0	17.5	25.4
METALS	LEAD	MG/KG	NS	400	600	71.1	3.66	10.5	240
METALS	MERCURY	MG/KG	NS	14	270	0.123	0.106 U	0.105 U	0.0922 J
METALS	NICKEL	MG/KG	NS	250	2400	11.3	9.93	7.05	3.25
METALS	SELENIUM	MG/KG	NS	63	3100	2.32 U	2.16 U	2.08 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.580 U	0.540 U	0.519 U	0.532 U
METALS	THALLIUM	MG/KG	NS	2	2	2.32 U	2.16 U	2.08 U	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	60.5	51.6	35.8	28.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	1100 J	340 U	320 U	2300
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	770000 J	3900 J	2900 J	2100000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	28000	270 J	490	7800 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	32000 J	670 U	1200 J	8800
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	320 U	680 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	510000	130000 U	130000 U	380000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	160000 J	8400 J	9700 J	45000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	410 J	840 U	810 U	360 J
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(10.0-10.5) 08/09/06	AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(14.5-15.0) 08/09/06	AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(10.5-11.0) 08/09/06	AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(2.0-2.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(16.5-17.0) 08/09/06	AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(1.5-2.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2000 U	2200 U	1200 J	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	180 U	25000	1600
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	96 J	180 U	200 U	180 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	83 J	180 U	200 U	140 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	110 J	180 U	200 U	190 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	44 J	180 U	200 U	83 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	340 U	360 U	400 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	100 J	180 U	200 U	180 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	180 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	180 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	44 J	180 U	200 U	72 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	180 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.98 UJ	2.13 UJ	1.12 J	1.27 J
METALS	ARSENIC	MG/KG	NS	20	20	3.25	2.13 U	4.25	3.99
METALS	BERYLLIUM	MG/KG	NS	2	2	0.804	0.812	0.189 J	0.781
METALS	CADMIUM	MG/KG	NS	39	100	0.496 U	0.532 U	0.576 U	0.148 J
METALS	COPPER	MG/KG	NS	600	600	12.7	18.0	15.5	116
METALS	LEAD	MG/KG	NS	400	600	16.5	3.17	9.78	4090
METALS	MERCURY	MG/KG	NS	14	270	0.0347 J	0.106 U	0.115 U	0.410
METALS	NICKEL	MG/KG	NS	250	2400	10.1	9.04	3.21	13.7
METALS	SELENIUM	MG/KG	NS	63	3100	1.98 U	2.13 U	2.30 U	2.25 U
METALS	SILVER	MG/KG	NS	110	4100	0.496 U	0.532 U	0.576 U	0.563 U
METALS	THALLIUM	MG/KG	NS	2	2	1.98 U	2.13 U	2.30 U	2.25 U
METALS	ZINC	MG/KG	NS	1500	1500	37.3	30.4	12.7	226
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120 J	330 U	40000	1200
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 J	370 J	43000 J	10000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	330 U	920 J	3800
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	610 UJ	650 UJ	890 J	4000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 U	330 U	8100 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	120000 U	130000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6100 U	6500 U	7200 J	25000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	770 U	810 U	1100 J	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-508-3	AREA II TNT TP-R-B10-508-3	AREA II TNT TP-R-B10-508-3	AREA II TNT TP-R-B10-508-4
			Location ID			TP-R-B10-508-3(1.5-2.0)	TP-R-B10-508-3(16.5-17.0)	TP-R-B10-508-3(5.5-6.0)	TP-R-B10-508-4(1.5-2.0)
			Field Sample ID			08/09/06	08/09/06	08/09/06	08/09/06
			Sample Date			Result	Result	Result	Result
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC				
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(16.5-17.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(12.0-12.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	170 U	980 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2000 U	12000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 J	1300	110 J	980 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	200 U	360	980 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	200 U	310	980 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	200 U	380	980 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	160 J	980 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	170 U	980 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	410 U	340 U	2000 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	200 U	370	980 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	170 U	980 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	78 J	980 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	170 U	980 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	190	980 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	170 U	980 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	170 U	980 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.07 UJ	2.44 UJ	1.18 J	2.75 J
METALS	ARSENIC	MG/KG	NS	20	20	1.71 J	4.06	2.86	2.60
METALS	BERYLLIUM	MG/KG	NS	2	2	0.757	0.594 J	0.388 J	1.38
METALS	CADMIUM	MG/KG	NS	39	100	0.518 U	0.609 U	0.502 U	2.88 U
METALS	COPPER	MG/KG	NS	600	600	14.9	17.1	37.0 J	35.2 J
METALS	LEAD	MG/KG	NS	400	600	10.1	587	330	3.04
METALS	MERCURY	MG/KG	NS	14	270	0.103 U	0.0622 J	0.0574 J	0.112 U
METALS	NICKEL	MG/KG	NS	250	2400	6.94	7.56	5.51	15.3
METALS	SELENIUM	MG/KG	NS	63	3100	2.07 U	2.44 U	2.01 U	2.31 U
METALS	SILVER	MG/KG	NS	110	4100	0.518 U	0.609 U	0.502 U	0.577 U
METALS	THALLIUM	MG/KG	NS	2	2	2.07 U	2.44 U	1.39 J	2.97
METALS	ZINC	MG/KG	NS	1500	1500	36.6	34.0	124 J	76.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	1500 J	310 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	6900 J	630000	2400 J	1900 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360	40000	630	490
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	650 UJ	32000 J	680	710 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	2800	310 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	230000	120000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	11000	200000 J	6100 U	3100 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 U	530 J	770 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

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			Remedial Area Former Operational Area			AREA II TNT TP-R-B10-508-4	AREA II TNT TP-R-B10-508-4	AREA II TNT TP-R-B10-6-1	AREA II TNT TP-R-B10-6-1
			Location ID			TP-R-B10-508-4(16.5-17.0)	TP-R-B10-508-4(5.5-6.0)	TP-R-B10-6-1(1.5-2.0)	TP-R-B10-6-1(12.0-12.5)
			Field Sample ID			08/09/06	08/09/06	08/11/06	08/11/06
			Sample Date			Result	Result	Result	Result
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC				
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(4.0-4.5) 08/11/06	AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(9.0-9.5) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(0.5-1.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	170 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	360	2500	93 J	10000
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	2600	170 U	2300
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	2000	170 U	2000
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	2700	170 U	2400
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	1000	170 U	1300
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	170 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	380 U	350 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	2700	170 U	2400
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	170 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	370	170 U	320
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	170 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	1200	170 U	1200
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	170 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	170 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.49 J	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	4.28	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	0.466 J	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	0.602 U	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	26.2 J	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	990	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	0.136	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	8.92	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	2.41 U	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	0.602 U	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	1.73 J	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	88.6 J	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	460	340 UJ	310 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	7600 J	25000 J	660 J	970 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	8200	340 UJ	310 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	6900	680 UJ	620 UJ	660 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 UJ	310 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	140000 UJ	120000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	51000 J	6800 UJ	6200 UJ	6600 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 U	850 UJ	780 UJ	830 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(4.0-4.5) 08/11/06	AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(9.0-9.5) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(0.5-1.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(2.75-3.25) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(9.0-9.5) 08/14/06	AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(7.0-7.5) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	2000 U	170 U	190 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	24000 U	2100 U	2300 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	4000000	800	2300	3500
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	840 J	170 U	190 U	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	570 J	170 U	190 U	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	910 J	170 U	190 U	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	2000 U	170 U	190 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	2000 U	170 U	190 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3900 U	350 U	380 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	790 J	170 U	190 U	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2000 U	170 U	190 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	2000 U	170 U	190 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2000 U	170 U	190 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	2000 U	170 U	190 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	2000 U	170 U	190 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	2000 U	170 U	190 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	5100 J	310 UJ	340 UJ	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	12000000 J	4800 J	340 UJ	11000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	10000 J	310 UJ	340 UJ	310 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	11000 J	630 UJ	690 UJ	630 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	310 UJ	340 UJ	310 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	2600000 J	130000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 UJ	6300 UJ	6900 UJ	6300 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	780 UJ	860 UJ	780 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(2.75-3.25) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(9.0-9.5) 08/14/06	AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(7.0-7.5) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(1.0-1.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(11.0-11.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(7.5-8.0) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(1.0-1.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	170 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2100 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	99 J	190 U	170 U	110 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	170 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	170 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	170 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	170 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	170 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	350 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	39 J	190 U	170 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	170 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	170 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	170 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	170 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	170 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	170 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	350 U	310 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	240 J	350 U	200 J	650 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	350 U	310 U	390
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	700 U	690 U	630 U	280 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	350 U	310 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	120000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6900 U	6300 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	860 U	790 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(1.0-1.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(11.0-11.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(7.5-8.0) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(1.0-1.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(5.0-5.5) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(8.0-8.5) 08/11/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(1.5-2.0) 08/04/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(12.5-13.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	2500 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	620 U	620 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	620 U	620 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	620 U	620 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	620 U	620 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1800 U	180 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	21000 U	2100 U	2100 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	14000000	180 U	930	320
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1800 U	180 U	180 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1800 U	180 U	180 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1800 U	180 U	180 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1800 U	180 U	180 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1800 U	180 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3500 U	360 U	360 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	1800 U	180 U	180 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1800 U	180 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1800 U	180 U	180 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1800 U	180 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1800 U	180 U	180 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1800 U	180 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1800 U	180 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	1.57 J	1.97 J
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	1.90 J	2.53 J
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	0.293 J	0.293 J
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	0.513 U	0.586 U
METALS	COPPER	MG/KG	NS	600	600	NA	NA	5.24 J	9.31 J
METALS	LEAD	MG/KG	NS	400	600	NA	NA	352	6.24
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	0.0305 J	0.0132 J
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	2.32	3.76
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	2.05 U	2.35 U
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	0.513 U	0.586 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.05 U	2.35 U
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	20.9 J	45.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	120000	320 U	180 J	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1600000 J	320 U	400000 J	8200 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	320 U	2200	130 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	6300 U	640 U	3200 J	720 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	320 U	320 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	640000 J	130000 UJ	190000	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	9000 J	6400 U	13000 J	20000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	790 U	800 U	800 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	18 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	18 U	20 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(5.0-5.5) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(8.0-8.5) 08/11/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(1.5-2.0) 08/04/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(12.5-13.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	18 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	18 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	18 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	18 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	18 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	18 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(5.5-6.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(13.5-14.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(2.0-2.5) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(6.0-6.5) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2400 U	2600 U	2600 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	610 U	660 U	660 U	650 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	610 U	660 U	660 U	650 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	610 U	660 U	660 U	650 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	610 U	660 U	660 U	650 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	76 J	190 U	340	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	190 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	190 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	360 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.30 J	1.08 J	1.12 J	0.993 J
METALS	ARSENIC	MG/KG	NS	20	20	2.29 J	4.49 J	2.28 J	1.38 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.297 J	0.394 J	0.163 J	0.254 J
METALS	CADMIUM	MG/KG	NS	39	100	0.551 U	0.547 U	0.531 U	0.520 U
METALS	COPPER	MG/KG	NS	600	600	10.7 J	10.9 J	5.37 J	5.78 J
METALS	LEAD	MG/KG	NS	400	600	251	17.0	247	61.2
METALS	MERCURY	MG/KG	NS	14	270	0.110 U	0.105 U	0.0138 J	0.103 U
METALS	NICKEL	MG/KG	NS	250	2400	4.26	4.61	2.36	2.09
METALS	SELENIUM	MG/KG	NS	63	3100	3.33	2.19 U	2.12 U	2.08 U
METALS	SILVER	MG/KG	NS	110	4100	0.551 U	0.547 U	0.531 U	0.520 U
METALS	THALLIUM	MG/KG	NS	2	2	2.21 U	2.19 U	2.12 U	2.08 U
METALS	ZINC	MG/KG	NS	1500	1500	45.0 J	47.9 J	23.7 J	14.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	210 J	330 U	160 J	160 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	31000 J	4000 J	12000 J	4400 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2700	760	2800	1500
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	3600 J	1900 J	3500	1800 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	320 U	140 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	17000 J	5900 J	18000 J	11000
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	840 U	810 U	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	18 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	18 U	18 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(5.5-6.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(13.5-14.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(2.0-2.5) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(6.0-6.5) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	18 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	18 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	18 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(1.5-2.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(6.5-7.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(1.5-2.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	2900 U	2500 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	640 U	720 U	630 U	650 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	640 U	720 U	630 U	650 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	640 U	720 U	630 U	650 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	640 U	720 U	630 U	650 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	170 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2100 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	610	200 U	170 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	200 U	170 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	200 U	170 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	200 U	170 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	170 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	170 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	400 U	350 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	200 U	170 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	170 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	170 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	170 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	170 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	170 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	170 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.27 J	1.56 J	2.03 UJ	1.59 J
METALS	ARSENIC	MG/KG	NS	20	20	4.21 J	2.21 J	1.02 J	3.93 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.236 J	0.602	0.412 J	0.710
METALS	CADMIUM	MG/KG	NS	39	100	0.542 U	0.572 U	0.509 U	0.525 U
METALS	COPPER	MG/KG	NS	600	600	9.55 J	13.8 J	13.7 J	20.5 J
METALS	LEAD	MG/KG	NS	400	600	243	8.94	1.45 J	47.4
METALS	MERCURY	MG/KG	NS	14	270	0.0130 J	0.119 U	0.101 U	0.0312 J
METALS	NICKEL	MG/KG	NS	250	2400	3.97	4.68	4.55	9.65
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 U	2.29 U	2.03 U	2.10 U
METALS	SILVER	MG/KG	NS	110	4100	0.542 U	0.572 U	0.509 U	0.525 U
METALS	THALLIUM	MG/KG	NS	2	2	2.17 U	2.29 U	2.03 U	1.42 J
METALS	ZINC	MG/KG	NS	1500	1500	23.9 J	91.6 J	24.8 J	61.1 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	220 J	360 U	310 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110000 J	970 J	270 J	970
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2800	500	310 U	600
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	4100	720 U	620 U	970
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	360 U	310 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	120000 U	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	17000 J	4300 J	2800 J	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	810 U	900 U	780 U	800 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	20 U	18 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	20 U	18 U	18 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(1.5-2.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(6.5-7.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(1.5-2.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	20 U	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	20 U	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	20 U	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	20 U	18 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	20 U	18 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	20 U	18 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(6.0-6.5) 08/04/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(11.5-12.0) 08/07/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(2.0-2.5) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2500 U	2500 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	620 U	640 U	630 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	620 U	640 U	630 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	620 U	640 U	630 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	620 U	640 U	630 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2100 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	4500	190 U	5700
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	350 U	370 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 UJ	1.36 J	2.22 UJ	1.16 J
METALS	ARSENIC	MG/KG	NS	20	20	2.46 J	1.62 J	1.08 J	1.06 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.395 J	0.213 J	0.353 J	0.253 J
METALS	CADMIUM	MG/KG	NS	39	100	0.532 U	0.531 U	0.262 J	0.398 J
METALS	COPPER	MG/KG	NS	600	600	16.8 J	5.57 J	9.21	6.89
METALS	LEAD	MG/KG	NS	400	600	2.13	16.6	29.6	658
METALS	MERCURY	MG/KG	NS	14	270	0.0985 U	0.0980 U	0.105 U	0.0278 J
METALS	NICKEL	MG/KG	NS	250	2400	6.46	2.36	3.56	2.57
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	2.12 U	2.22 U	2.14 U
METALS	SILVER	MG/KG	NS	110	4100	0.532 U	0.531 U	0.202 J	0.279 J
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.12 U	11.1 U	2.14 U
METALS	ZINC	MG/KG	NS	1500	1500	47.7 J	16.6 J	28.4	21.2
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	230 J	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1200 J	430000 J	2700	2600000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 J	320 U	1500	9100
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 U	640 U	240 J	8700
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	660	330 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	240000	130000 U	1600000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6300 J	28000 J	6700 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	800 U	830 U	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(6.0-6.5) 08/04/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(11.5-12.0) 08/07/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(2.0-2.5) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	18 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(7.0-7.5) 08/07/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(11.5-12.0) 08/02/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(5.0-5.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	3000 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	670 U	760 U	680 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	760 U	680 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 U	760 U	680 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 U	760 U	680 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2100 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	160 J	180 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	350 U	360 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.26 UJ	1.35 J	2.10 UJ	2.03 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.05 J	1.57 J	1.74 J	1.48 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.388 J	0.681	0.503 J	1.03
METALS	CADMIUM	MG/KG	NS	39	100	0.389 J	0.522 U	0.525 U	0.507 U
METALS	COPPER	MG/KG	NS	600	600	9.02	15.1 J	12.5 J	15.4 J
METALS	LEAD	MG/KG	NS	400	600	144	4.70	2.55	2.48
METALS	MERCURY	MG/KG	NS	14	270	0.111 U	0.0126 J	0.0119 J	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	4.04	9.47 J	4.88 J	4.00 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.26 U	2.09 U	2.10 U	2.03 U
METALS	SILVER	MG/KG	NS	110	4100	0.564 U	0.522 U	0.525 U	0.507 U
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	2.09 U	2.10 U	2.03 U
METALS	ZINC	MG/KG	NS	1500	1500	36.8	44.7 J	64.3 J	38.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	320 U	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	22000 J	320 U	330 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2800 J	320 U	330 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	1900	630 U	660 U	630 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	320 U	330 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	6300 U	6600 U	6300 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	790 U	820 U	790 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(7.0-7.5) 08/07/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(11.5-12.0) 08/02/06	AREA II TNT TP-R-B13-2-1 TP-R-B13-2-1(5.0-5.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	18 UJ	19 UJ	18 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(12.5-13.0) 08/02/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(5.5-6.0) 08/02/06	AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(1.5-2.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	2500 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	670 U	720 U	620 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	720 U	620 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 U	720 U	620 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 U	720 U	620 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	360	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	260	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	280	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	380	190 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 J	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	390 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	380	190 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 J	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.25 UJ	2.30 UJ	1.27 J	1.58 J
METALS	ARSENIC	MG/KG	NS	20	20	5.50	2.20 J	4.95	4.60
METALS	BERYLLIUM	MG/KG	NS	2	2	0.755	0.337 J	0.713	0.852
METALS	CADMIUM	MG/KG	NS	39	100	0.563 U	0.575 U	0.562 U	0.556 U
METALS	COPPER	MG/KG	NS	600	600	18.6 J	8.98 J	15.2 J	14.4 J
METALS	LEAD	MG/KG	NS	400	600	42.9	26.7	30.8	8.49
METALS	MERCURY	MG/KG	NS	14	270	2.44	0.0387 J	0.102 J	0.0307 J
METALS	NICKEL	MG/KG	NS	250	2400	10.9 J	2.83 J	8.13 J	11.1 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.25 U	2.30 U	2.25 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.231 J	0.575 U	0.562 U	0.556 U
METALS	THALLIUM	MG/KG	NS	2	2	2.25 U	2.30 U	2.25 U	1.52 J
METALS	ZINC	MG/KG	NS	1500	1500	85.6 J	25.0 J	67.3 J	72.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	130 J	14000 J	610 J	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	390	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	680 U	700 U	410 J	690 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	350 U	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	150000 J	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 U	15000 J	6800 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	870 U	850 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(12.5-13.0) 08/02/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(5.5-6.0) 08/02/06	AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(1.5-2.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	9.0 J	20 UJ	19 UJ	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	9 J	20 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(5.5-6.0) 08/02/06	AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(9.5-10.0) 08/02/06	AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(5.5-6.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2400 U	2600 U	2500 U	2300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	600 U	650 U	630 U	580 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	600 U	650 U	630 U	580 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	600 U	650 U	630 U	580 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	600 U	650 U	630 U	580 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	180 U	180 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2100 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	180 U	180 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	170 U	180 U	180 U	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 U	180 U	180 U	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	170 U	180 U	180 U	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 U	180 U	180 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	180 U	180 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	360 U	370 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	170 U	180 U	180 U	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	170 U	180 U	180 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 U	180 U	180 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	170 U	180 U	180 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	170 U	180 U	180 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	180 U	180 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170 U	180 U	180 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.966 J	0.995 J	2.15 UJ	2.08 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.81 J	2.54	2.65	1.82 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.639	0.598	0.802	0.648
METALS	CADMIUM	MG/KG	NS	39	100	0.521 U	0.523 U	0.537 U	0.520 U
METALS	COPPER	MG/KG	NS	600	600	13.8 J	13.7 J	16.0 J	14.4 J
METALS	LEAD	MG/KG	NS	400	600	3.65	3.32	6.15	2.67
METALS	MERCURY	MG/KG	NS	14	270	0.0120 J	0.0139 J	0.0354 J	0.0148 J
METALS	NICKEL	MG/KG	NS	250	2400	6.19 J	6.37 J	10.4 J	5.86 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.08 U	2.09 U	2.15 U	2.08 U
METALS	SILVER	MG/KG	NS	110	4100	0.521 U	0.523 U	0.537 U	0.520 U
METALS	THALLIUM	MG/KG	NS	2	2	2.08 U	2.09 U	1.92 J	2.08 U
METALS	ZINC	MG/KG	NS	1500	1500	48.7 J	53.5 J	106 J	42.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	320 U	330 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	320 U	330 U	310 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	310 U	320 U	330 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	630 U	640 U	660 U	620 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 U	320 U	330 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	130000 UJ	120000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6300 U	6400 U	6600 U	6200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	780 U	800 U	820 U	780 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(5.5-6.0) 08/02/06	AREA II TNT TP-R-B13-2-3 TP-R-B13-2-3(9.5-10.0) 08/02/06	AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(5.5-6.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	18 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 UJ	18 UJ	19 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	18 U	19 U	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(9.5-10.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(4.0-4.5) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(8.5-9.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2900 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	670 U	710 U	670 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	670 U	710 U	670 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	670 U	710 U	670 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	670 U	710 U	670 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	360 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.17 UJ	1.19 J	1.42 J	2.20 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.20	3.52	1.84 J	2.20 U
METALS	BERYLLIUM	MG/KG	NS	2	2	1.18	0.853	0.630	0.496 J
METALS	CADMIUM	MG/KG	NS	39	100	0.543 U	0.541 U	0.514 U	0.550 U
METALS	COPPER	MG/KG	NS	600	600	18.0 J	15.1 J	12.8 J	16.0 J
METALS	LEAD	MG/KG	NS	400	600	5.16	6.99	2.81	2.77
METALS	MERCURY	MG/KG	NS	14	270	0.0143 J	0.0669 J	0.0175 J	0.0176 J
METALS	NICKEL	MG/KG	NS	250	2400	8.33 J	9.51 J	7.17 J	4.51 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 U	2.17 U	10.3 U	2.20 U
METALS	SILVER	MG/KG	NS	110	4100	0.543 U	0.541 U	0.514 U	0.550 U
METALS	THALLIUM	MG/KG	NS	2	2	1.63 J	2.17 U	2.05 U	2.20 U
METALS	ZINC	MG/KG	NS	1500	1500	56.7 J	49.7 J	67.7 J	51.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	340 U	320 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	910 J	340 U	320 U	680 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	340 U	320 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	660 U	680 U	650 U	680 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	340 U	320 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	130000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	4200 J	6800 U	6500 U	5200 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	840 U	810 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(9.5-10.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(4.0-4.5) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(8.5-9.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	18 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 UJ	18 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	18 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(3.0-3.5) 08/02/06	AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(4.5-5.0) 08/02/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(1.5-2.0) 08/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	2500 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 U	710 U	630 U	640 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 U	710 U	630 U	640 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 U	710 U	630 U	640 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 U	710 U	630 U	640 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	960 U	940 U	950 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	11000 U	11000 U	11000 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	23000	64000	140000	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	960 U	940 U	950 U	510
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	960 U	940 UJ	950 U	470
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	960 U	940 UJ	950 U	880
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	960 U	940 UJ	950 U	310
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	960 U	940 U	950 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	1900 U	1900 U	1900 U	95 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	960 U	940 U	950 U	620
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	960 U	940 U	950 U	240
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	960 U	940 UJ	950 U	89 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	960 U	940 U	950 U	200
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	960 U	940 UJ	950 U	300
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	960 U	940 U	950 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	960 U	940 U	950 U	530
METALS	ANTIMONY	MG/KG	NS	14	340	1.02 J	1.10 J	2.21 UJ	1.35 J
METALS	ARSENIC	MG/KG	NS	20	20	2.39	1.62 J	1.26 J	20.8
METALS	BERYLLIUM	MG/KG	NS	2	2	0.537 J	0.495 J	0.177 J	0.832
METALS	CADMIUM	MG/KG	NS	39	100	0.563 U	0.541 U	0.554 U	0.548 U
METALS	COPPER	MG/KG	NS	600	600	46.8	35.1	20.5	36.0
METALS	LEAD	MG/KG	NS	400	600	16.1 J	15.3 J	15.8 J	121 J
METALS	MERCURY	MG/KG	NS	14	270	0.0328 J	0.0290 J	0.0578 J	0.303 J
METALS	NICKEL	MG/KG	NS	250	2400	7.16	5.14	3.41	12.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.25 U	2.17 U	2.21 U	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.563 U	0.541 U	0.554 U	0.217 J
METALS	THALLIUM	MG/KG	NS	2	2	2.25 U	2.17 U	2.21 U	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	76.7 J	50.0 J	49.6 J	109 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	5400 J	9200 J	18000 J	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	56000 J	1800000 J	1700000 J	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	29000 J	62000 J	66000 J	230 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	690 UJ	7000 J	5500 J	680 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	580 J	1900 J	340 UJ	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	1300000 J	3100000 J	1600000 J	120000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	130000 J	110000 J	120000 J	16000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 UJ	840 UJ	860 UJ	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U	19 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(3.0-3.5) 08/02/06	AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(4.5-5.0) 08/02/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(1.5-2.0) 08/03/06
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS		PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS		PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS		PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U
PCBS		PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	45 J
PCBS		PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 UJ	19 UJ	26 J
PCBS		TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	71

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(11.5-12.0) 08/03/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(6.0-6.5) 08/03/06	AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(4.5-5.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 UJ	2300 U	2800 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	620 UJ	590 U	690 U	630 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	620 UJ	590 U	690 U	630 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	620 UJ	590 U	690 U	630 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	620 UJ	590 U	690 U	630 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	170 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2100 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	170 U	120 J	83 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	170 U	590	150 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	170 U	620	130 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	170 U	1200	210
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	170 U	600	93 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	170 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	350 U	670	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	170 U	730	160 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	170 U	300	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	170 U	100 J	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	170 U	350	110 J
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	170 U	360	88 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	170 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	170 U	220	54 J
METALS	ANTIMONY	MG/KG	NS	14	340	1.21 J	1.16 J	2.09 J	1.51 J
METALS	ARSENIC	MG/KG	NS	20	20	6.08	3.33	36.1	9.51
METALS	BERYLLIUM	MG/KG	NS	2	2	0.421 J	0.358 J	0.650	0.137 J
METALS	CADMIUM	MG/KG	NS	39	100	0.553 U	0.511 U	0.0787 J	0.531 U
METALS	COPPER	MG/KG	NS	600	600	12.5	14.0	33.9	15.7
METALS	LEAD	MG/KG	NS	400	600	5.84 J	2.39 J	104 J	102 J
METALS	MERCURY	MG/KG	NS	14	270	0.0196 J	0.103 UJ	1.47 J	0.228 J
METALS	NICKEL	MG/KG	NS	250	2400	4.34	3.61	9.38	3.75
METALS	SELENIUM	MG/KG	NS	63	3100	2.21 U	2.04 U	2.25 U	2.12 U
METALS	SILVER	MG/KG	NS	110	4100	0.553 U	0.511 U	0.562 U	0.531 U
METALS	THALLIUM	MG/KG	NS	2	2	2.21 U	2.04 U	2.25 U	2.12 U
METALS	ZINC	MG/KG	NS	1500	1500	44.9 J	26.0 J	425 J	80.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	310 U	350 U	110 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2500 J	310 U	200 J	570 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	230 J	310 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 U	630 U	700 U	660 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	310 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	250000 J	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	9300	6300 U	7400 J	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	780 U	870 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	18 U	98 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	18 U	98 U	19 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(11.5-12.0) 08/03/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(6.0-6.5) 08/03/06	AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(4.5-5.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	18 U	98 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	18 U	98 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	18 U	98 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	18 U	120	8.4 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 UJ	18 UJ	33 J	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	18 U	153 J	8.4 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(7.5-8.0) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(6.0-6.5) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(9.5-10.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	2200 UJ	3100 UJ	2400 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	540 UJ	780 UJ	610 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	540 UJ	780 UJ	610 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	540 UJ	780 UJ	610 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	540 UJ	780 UJ	610 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	110 J	180 U	200 U	220
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	390	78 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	400	72 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	590	110 J	44 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	280	43 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	360 U	410 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	490	95 J	44 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	74 J	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	260	47 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.40 J	1.17 J	2.33 UJ	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.28 J	11.1	4.22	2.45
METALS	BERYLLIUM	MG/KG	NS	2	2	0.163 J	0.608	0.510 J	0.448 J
METALS	CADMIUM	MG/KG	NS	39	100	0.535 U	0.542 U	0.203 J	0.556 U
METALS	COPPER	MG/KG	NS	600	600	12.2	24.9 J	264 J	22.6 J
METALS	LEAD	MG/KG	NS	400	600	18.9 J	59.4	171	52.3
METALS	MERCURY	MG/KG	NS	14	270	0.0210 J	0.744	0.214	0.107
METALS	NICKEL	MG/KG	NS	250	2400	4.09	32.1 J	9.74 J	5.24 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.14 U	2.17 U	2.33 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.535 U	0.542 U	1.07	0.556 U
METALS	THALLIUM	MG/KG	NS	2	2	2.14 U	2.17 U	2.33 U	2.22 U
METALS	ZINC	MG/KG	NS	1500	1500	22.0 J	142 J	142 J	48.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	130 J	330 U	440 J	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	6000 J	330 U	150 J	1700 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	120 J	330 U	370 U	270 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	650 U	660 U	730 U	680 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	370 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 J	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	14000 J	6600 U	7300 U	11000
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	820 U	820 U	920 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	21 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	21 U	19 U

Table B3-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(7.5-8.0) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(6.0-6.5) 08/02/06	AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(9.5-10.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	21 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	21 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	21 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	22	15 J	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 UJ	26 J	15 J	19 UJ
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	48	30 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-C10-439-1 TP-R-C10-439-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-C10-439-1 TP-R-C10-439-1(8.0-8.5) 08/11/06	AREA II TNT TP-R-C10-439-2 TP-R-C10-439-2(1.5-2.0) 08/11/06	AREA II TNT TP-R-C10-439-2 TP-R-C10-439-2(10.5-11.0) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA	NA	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	NA	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	NA	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	NA	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA	NA	NA
METALS	ANTIMONY	MG/KG	NS	14	340	4.36 J	1.10 J	1.14 J	1.69 J
METALS	ARSENIC	MG/KG	NS	20	20	47.2	8.14	3.67	4.41
METALS	BERYLLIUM	MG/KG	NS	2	2	0.230 J	0.559	0.347 J	0.657
METALS	CADMIUM	MG/KG	NS	39	100	0.526 U	2.71 U	0.528 U	2.74 U
METALS	COPPER	MG/KG	NS	600	600	33.7 J	15.4 J	12.0 J	18.4 J
METALS	LEAD	MG/KG	NS	400	600	7510	3.92	160	4.22
METALS	MERCURY	MG/KG	NS	14	270	0.103 J	0.105 U	0.0463 J	0.0299 J
METALS	NICKEL	MG/KG	NS	250	2400	4.63	7.98	5.31	9.45
METALS	SELENIUM	MG/KG	NS	63	3100	2.10 U	2.16 U	2.11 U	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	1.02	0.541 U	0.528 U	0.547 U
METALS	THALLIUM	MG/KG	NS	2	2	2.58	2.16 U	2.11 U	2.15 J
METALS	ZINC	MG/KG	NS	1500	1500	37.1 J	25.2 J	21.7 J	31.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-C10-439-1 TP-R-C10-439-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-C10-439-1 TP-R-C10-439-1(8.0-8.5) 08/11/06	AREA II TNT TP-R-C10-439-2 TP-R-C10-439-2(1.5-2.0) 08/11/06	AREA II TNT TP-R-C10-439-2 TP-R-C10-439-2(10.5-11.0) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-C10-439-3 TP-R-C10-439-3(1.5-2.0) 08/11/06	AREA II TNT TP-R-C10-439-3 TP-R-C10-439-3(10.0-10.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA
METALS	ANTIMONY	MG/KG	NS	14	340	1.32 J	1.20 J
METALS	ARSENIC	MG/KG	NS	20	20	4.08	2.64
METALS	BERYLLIUM	MG/KG	NS	2	2	0.456 J	0.375 J
METALS	CADMIUM	MG/KG	NS	39	100	0.567 U	0.528 U
METALS	COPPER	MG/KG	NS	600	600	14.3 J	10.1 J
METALS	LEAD	MG/KG	NS	400	600	1610	3.11
METALS	MERCURY	MG/KG	NS	14	270	0.112 J	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	7.24	4.44
METALS	SELENIUM	MG/KG	NS	63	3100	2.27 U	2.11 U
METALS	SILVER	MG/KG	NS	110	4100	0.204 J	0.528 U
METALS	THALLIUM	MG/KG	NS	2	2	2.21 J	2.11 U
METALS	ZINC	MG/KG	NS	1500	1500	57.9 J	26.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	NA
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA

Table B3-3

Soil - Analytical Results - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-C10-439-3 TP-R-C10-439-3(1.5-2.0) 08/11/06	AREA II TNT TP-R-C10-439-3 TP-R-C10-439-3(10.0-10.5) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-4

Soil - Exceedance Summary - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-C12-04 SB-R-C12-04(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-C13-01 SB-R-C13-01(4.25-4.75) 05/18/06	AREA II DYNAMITE SB-R-D12-02 SB-R-D12-02(0.5-1.0) 06/06/06	AREA II DYNAMITE SB-R-D14-01 TP-R-D14-01(1.5-2.0) 08/08/06	AREA II DYNAMITE SB-R-E10-01 SB-R-E10-01(1.25-1.75) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220	-	-	1600	-
METALS	ARSENIC	MG/KG	NS	20	20	133	-	-	-	35.7
METALS	LEAD	MG/KG	NS	400	600	-	-	1160	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.20 J	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	130000 J	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	5200	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	4800	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-4

Soil - Exceedance Summary - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE SB-R-E13-02 SB-R-E13-02(0.5-1.0) 05/30/06	AREA II DYNAMITE SB-R-F11-04 SB-R-F11-04(0.5-1.0) 05/17/06	AREA II DYNAMITE SB-R-F12-04 SB-R-F12-04(2.5-3.0) 05/30/06	AREA II DYNAMITE TP-R-C13-666-1 TP-R-C13-666-1(1.0-1.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-1 TP-R-C13-666-1(6.5-7.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	4500	-
METALS	ARSENIC	MG/KG	NS	20	20	25.4	351	-	NA	NA
METALS	LEAD	MG/KG	NS	400	600	-	-	-	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.04 J	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	980	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	4000000 J	40000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	24000	230 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	29000 J	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	130000 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(1.0-1.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-2 TP-R-C13-666-2(6.5-7.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(0.5-1.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-3 TP-R-C13-666-3(6.5-7.0) 08/16/06	AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(0.5-1.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	350000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	180 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	120000000 J	7300 J	350 J	410 J	15000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2100 J	-	-	-	1700
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	28000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II DYNAMITE TP-R-C13-666-4 TP-R-C13-666-4(7.0-7.5) 08/17/06	AREA II DYNAMITE TP-R-C13-666-5 TP-R-C13-666-5(0.5-1.0) 08/17/06	AREA II DYNAMITE TP-R-C13-666-5 TP-R-C13-666-5(7.5-8.0) 08/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	10000	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	2300 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2500 J	20000000 J	4000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	8200 J	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	6700 J	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	48000 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II MISCELLANEOUS/OFFSITE SB-R-B14-03 SB-R-B14-03(2.17-2.67) 06/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
METALS	THALLIUM	MG/KG	NS	2	2	2.88 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-C11-01 SB-R-C11-01(0.5-1.0) 05/31/06	AREA II NG SB-R-C11-02 SB-R-C11-02(1.0-1.5) 05/31/06	AREA II NG SB-R-C11-03 SB-R-C11-03(0.5-1.0) 06/01/06	AREA II NG SB-R-C11-04 SB-R-C11-04(0.5-1.0) 06/07/06	AREA II NG SB-R-C12-02 SB-R-C12-02(0.5-1.0) 05/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	280
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	1000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	970	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	1400	-	-
METALS	ARSENIC	MG/KG	NS	20	20	22.6	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	500	473	680	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-02 SB-R-D10-02(1.0-1.5) 06/01/06	AREA II NG SB-R-D10-02 SB-R-D10-02(1.0-1.5) 06/01/06	AREA II NG SB-R-D10-02 SB-R-D10-02(1.0-1.5) 06/01/06	AREA II NG SB-R-D10-02 SB-R-D10-02(1.0-1.5) 06/01/06	AREA II NG SB-R-D10-03 SB-R-D10-03(0.5-1.0) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Igw Ex	Rdc Ex	Nrdc Ex	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	N	N	N	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	N	N	N	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	N	N	N	670 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	N	N	N	1100 J
METALS	ARSENIC	MG/KG	NS	20	20	-	N	N	N	-
METALS	LEAD	MG/KG	NS	400	600	-	N	N	N	-
METALS	THALLIUM	MG/KG	NS	2	2	2.11 J	N	Y	Y	2.15 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	1800 J	N	Y	N	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SB-R-D10-03 SB-R-D10-03(5.0-5.5) 06/01/06	AREA II NG SB-R-D11-03 SB-R-D11-03(1.0-1.5) 06/01/06	AREA II NG SB-R-D11-04 SB-R-D11-04(0.5-1.0) 06/08/06	AREA II NG SB-R-E10-03 SB-R-E10-03(0.5-1.0) 06/02/06	AREA II NG SB-R-E11-03 SB-R-E11-03(0.5-1.0) 05/17/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	150 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	75.6	-
METALS	LEAD	MG/KG	NS	400	600	-	5100	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	3.37	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	1100 J	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area			AREA II NG		AREA II NG		AREA II NG		AREA II NG	
			Location ID			TP-R-C11-8572D-1		TP-R-D11-2031-2		TP-R-D11-2031-2		TP-R-D11-2031-3	
			Field Sample ID			TP-R-C11-8572D-1(0.5-1.0)		TP-R-D11-2031-2(0.5-1.0)		TP-R-D11-2031-2(8.5-9.0)		TP-R-D11-2031-3(1.0-1.5)	
			Sample Date			08/15/06		08/15/06		08/15/06		08/15/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	90 J		48000		230		2400	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	NA		NA		NA		NA	
METALS	LEAD	MG/KG	NS	400	600	NA		NA		NA		NA	
METALS	THALLIUM	MG/KG	NS	2	2	NA		NA		NA		NA	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA		NA		NA		NA	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II PETN SB-R-C10-02 SB-R-C10-02(0.5-1.0) 06/01/06	AREA II PETN SB-R-C10-02 SB-R-C10-02(5.5-6.0) 06/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
METALS	ARSENIC	MG/KG	NS	20	20	30.6	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.89

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT B11-663-06 TP-R-B11-663-06(8.0-8.5) 08/10/06	AREA II TNT SB-R-B10-02 SB-R-B10-02(0.5-1.0) 05/25/06	AREA II TNT SB-R-B11-01 SB-R-B11-01(0.5-1.0) 05/23/06	AREA II TNT SB-R-B11-02 SB-R-B11-02(0.5-1.0) 05/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	660	2000	4800
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	-	-	-
METALS	LEAD	MG/KG	NS	400	600	NA	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	220 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	280 J	740	-	570
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 J	630	-	420
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-B13-04 SB-R-B13-04(0.5-1.0) 05/23/06	AREA II TNT SB-R-B13-04 SB-R-B13-04(2.5-3.0) 05/23/06	AREA II TNT SB-R-B13-04 TP-R-B13-04(6.5-7.0) 08/10/06	AREA II TNT SB-R-C10-04 SB-R-C10-04(2.0-2.5) 06/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	760	1300	11000	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	23.1	-	NA	-
METALS	LEAD	MG/KG	NS	400	600	-	-	NA	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	NA	2.01 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	NA	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	20000 J	NA	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	NA	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	NA	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	NA	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	NA	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	NA	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SB-R-C10-04 TP-R-C10-04(6.0-6.5) 08/17/06	AREA II TNT SB-R-C9-01 SB-R-C9-01(2.0-2.5) 05/16/06	AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-4-2 TP-R-A11-4-2(8.0-8.5) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	-	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	-	25.3	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	3790	-
METALS	THALLIUM	MG/KG	NS	2	2	2.32	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	-	1300 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	-	5800000 J	64000
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	-	20000 J	520 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	-	29000 J	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-5-1 TP-R-A11-5-1(5.0-5.5) 08/07/06	AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-5-2 TP-R-A11-5-2(7.5-8.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	78 J	-	6500	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	411	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	520 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	7100 J	1000	1400000 J	23000
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2300	110 J	1900 J	340 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-504-1 TP-R-A11-504-1(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(1.5-2.0) 08/08/06	AREA II TNT TP-R-A11-504-2 TP-R-A11-504-2(10.0-10.5) 08/08/06	AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	6000	290	26000	450
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	1350	-	-	587
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	720 J	-	1400	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	910 J	490 J	130000 J	460 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	880	1200	1400	520
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	6600 J	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-504-3 TP-R-A11-504-3(6.0-6.5) 08/08/06	AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(1.5-2.0) 08/07/06	AREA II TNT TP-R-A11-7-1 TP-R-A11-7-1(6.5-7.0) 08/07/06	AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(1.5-2.0) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	440	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	13300	-	1510
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	480000 J	7900 J	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	14000	720	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	11000	-	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A11-7-2 TP-R-A11-7-2(6.5-7.0) 08/07/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(0.5-1.0) 08/14/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(2.0-2.5) 08/14/06	AREA II TNT TP-R-A12-1-1 TP-R-A12-1-1(8.5-9.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	230000	120000	660
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	576	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	-	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	9000 J	9300 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	120000000 J	92000000 J	16000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	63000 J	57000 J	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	86000 J	74000 J	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	22000000 J	19000000 J	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
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Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(0.5-1.0) 08/16/06	AREA II TNT TP-R-A12-426-2 TP-R-A12-426-2(7.0-7.5) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-1 TP-R-A13-625-1(8.5-9.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1100 J	300 J	1800 J	520
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	410	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
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J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-2 TP-R-A13-625-2(9.0-9.5) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-3 TP-R-A13-625-3(9.0-9.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	180 J	300 J	260 J	600 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Exceedance Summary - Area II
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(1.0-1.5) 08/16/06	AREA II TNT TP-R-A13-625-4 TP-R-A13-625-4(8.0-8.5) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(0.5-1.0) 08/16/06	AREA II TNT TP-R-A13-625-5 TP-R-A13-625-5(8.5-9.0) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	100000 J	360 J	200 J	710 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	700	-	-	160 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-A13-625-6 TP-R-A13-625-6(1.0-1.5) 08/16/06	AREA II TNT TP-R-A13-625-6 TP-R-A13-625-6(8.0-8.5) 08/16/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	17000	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	4800 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2800000 J	2500 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	14000 J	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	69000 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-1 TP-R-B10-2/B10-509-1(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(8.0-8.5) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	1200
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	4200
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	3600
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	4200
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	1900
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	1800
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	770	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	1400 J	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	480 J	780 J	540
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-2 TP-R-B10-2/B10-509-2(9.5-10.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-3 TP-R-B10-2/B10-509-3(13.0-13.5) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	1000	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	6100000 J	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	420 J	12000 J	530
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	8200	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	68000 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-4 TP-R-B10-2/B10-509-4(14.0-14.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-5 TP-R-B10-2/B10-509-5(1.5-2.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	710	-	98 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	160 J	950	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	5200 J	3100 J	1900 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	1600 J	1400	510
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-5 TP-R-B10-2/B10-509-5(11.0-11.5) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-6 TP-R-B10-2/B10-509-6(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-6 TP-R-B10-2/B10-509-6(9.5-10.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	561	-
METALS	THALLIUM	MG/KG	NS	2	2	2.50	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	280 J	140 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	12000 J	850 J	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	3200	630	310 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(10.5-11.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-7 TP-R-B10-2/B10-509-7(4.0-4.5) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	510	-	4200
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	840 J	330 J	360 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	150000 J	4400 J	110000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	12000 J	930	14000 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	8500 J	-	14000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	71000 J	-	79000 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(1.5-2.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(10.5-11.0) 08/10/06	AREA II TNT TP-R-B10-2/B10-509-8 TP-R-B10-2/B10-509-8(4.5-5.0) 08/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	640	-	2600
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	840 J	280 J	890 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	150000 J	160000 J	2900 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	12000	11000	1200 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	8800	11000	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	71000 J	64000 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(12.0-12.5) 08/11/06	AREA II TNT TP-R-B10-5-1 TP-R-B10-5-1(4.5-5.0) 08/11/06	AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(1.5-2.0) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	45000	81 J	52000	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	-
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	1040
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	640 J	-	3500 J	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1200000 J	19000 J	17000000 J	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	4700 J	1800	22000 J	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	5400 J	-	34000 J	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	7600 J	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	130000 J	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-4

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(13.0-13.5) 08/08/06	AREA II TNT TP-R-B10-501-1 TP-R-B10-501-1(7.5-8.0) 08/08/06	AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-2 TP-R-B10-505-2(8.0-8.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	4900	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	1880	1300	802	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.16 J	2.74
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	570000 J	580
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	22000	510
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	35000	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-3 TP-R-B10-505-3(8.0-8.5) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(11.5-12.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	250	-	21000	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	527	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.71	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	230 J	-	1100000 J	1300
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	1100	-	5100	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	16000 J	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-505-4 TP-R-B10-505-4(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(10.5-11.0) 08/09/06	AREA II TNT TP-R-B10-505-5 TP-R-B10-505-5(5.5-6.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	47000	3700	-	4600
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	775
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	40000 J	4000	1200000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	7900	25000	230 J	11000
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	13000 J	20000	-	13000
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(10.0-10.5) 08/09/06	AREA II TNT TP-R-B10-508-1 TP-R-B10-508-1(14.5-15.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1100	1500	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 J	1100 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	470000	770000 J	3900 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	4500 J	28000	270 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	12000	32000 J	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	100000 J	160000 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(10.5-11.0) 08/09/06	AREA II TNT TP-R-B10-508-2 TP-R-B10-508-2(2.0-2.5) 08/09/06	AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(16.5-17.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	1600	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	2300	120 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2900 J	2100000 J	340 J	370 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	490	7800 J	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	8800	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
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TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-508-3 TP-R-B10-508-3(5.5-6.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(1.5-2.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(16.5-17.0) 08/09/06	AREA II TNT TP-R-B10-508-4 TP-R-B10-508-4(5.5-6.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	25000	1600	170 J	1300
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	4090	-	587
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	40000	1200	-	1500 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	43000 J	10000 J	6900 J	630000
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	920 J	3800	360	40000
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	32000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	200000 J

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
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Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(12.0-12.5) 08/11/06	AREA II TNT TP-R-B10-6-1 TP-R-B10-6-1(4.0-4.5) 08/11/06	AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(0.5-1.0) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	110 J	-	360	2500
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	2600
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	2000
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	2700
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	1000
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	1200
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	NA
METALS	LEAD	MG/KG	NS	400	600	-	-	990	NA
METALS	THALLIUM	MG/KG	NS	2	2	-	2.97	-	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	460	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	2400 J	1900 J	7600 J	25000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	630	490	8200	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	6900	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	51000 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-1-1 TP-R-B12-1-1(9.0-9.5) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(2.75-3.25) 08/14/06	AREA II TNT TP-R-B12-1-2 TP-R-B12-1-2(9.0-9.5) 08/14/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	93 J	10000	4000000	800
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	2300	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	2000	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	2400	910 J	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	1300	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	1200	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	5100 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	660 J	970 J	12000000 J	4800 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	10000 J	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	11000 J	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(0.5-1.0) 08/14/06	AREA II TNT TP-R-B12-1-3 TP-R-B12-1-3(7.0-7.5) 08/14/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(1.0-1.5) 08/11/06	AREA II TNT TP-R-B12-234-1 TP-R-B12-234-1(7.5-8.0) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	2300	3500	99 J	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	11000 J	240 J	200 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(1.0-1.5) 08/11/06	AREA II TNT TP-R-B12-234-2 TP-R-B12-234-2(5.0-5.5) 08/11/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(1.5-2.0) 08/04/06	AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(12.5-13.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	110 J	14000000	930	320
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	-	-
METALS	LEAD	MG/KG	NS	400	600	NA	NA	-	-
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	120000	180 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	650 J	1600000 J	400000 J	8200 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390	-	2200	130 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-1 TP-R-B13-1-1(5.5-6.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(13.5-14.0) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(2.0-2.5) 08/04/06	AREA II TNT TP-R-B13-1-2 TP-R-B13-1-2(6.0-6.5) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	76 J	-	340	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	210 J	-	160 J	160 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	31000 J	4000 J	12000 J	4400 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2700	760	2800	1500
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(1.5-2.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-3 TP-R-B13-1-3(6.5-7.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(1.5-2.0) 08/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	610	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	220 J	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	110000 J	970 J	270 J	970
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2800	500	-	600
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(11.5-12.0) 08/04/06	AREA II TNT TP-R-B13-1-4 TP-R-B13-1-4(6.0-6.5) 08/04/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(11.5-12.0) 08/07/06	AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(2.0-2.5) 08/07/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	4500	-	5700
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	658
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	230 J	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1200 J	430000 J	2700	2600000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	130 J	-	1500	9100
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	8700
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-1-5 TP-R-B13-1-5(7.0-7.5) 08/07/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(12.5-13.0) 08/02/06	AREA II TNT TP-R-B13-2-2 TP-R-B13-2-2(5.5-6.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	160 J	-	360	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	22000 J	130 J	14000 J	610 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	2800 J	-	-	390
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-4 TP-R-B13-2-4(9.5-10.0) 08/02/06	AREA II TNT TP-R-B13-2-5 TP-R-B13-2-5(8.5-9.0) 08/02/06	AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(1.5-2.0) 08/02/06	AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(3.0-3.5) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	23000	64000
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	5400 J	9200 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	910 J	680 J	56000 J	1800000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	29000 J	62000 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	7000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	130000 J	110000 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-4

Soil - Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-6 TP-R-B13-2-6(4.5-5.0) 08/02/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(1.5-2.0) 08/03/06	AREA II TNT TP-R-B13-2-7 TP-R-B13-2-7(11.5-12.0) 08/03/06	AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(1.5-2.0) 08/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	140000	-	-	120 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	1200
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	20.8	-	36.1
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	18000 J	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1700000 J	-	2500 J	200 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	66000 J	230 J	230 J	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	5500 J	-	-	-
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	120000 J	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-4

Soil - Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(4.5-5.0) 08/02/06		AREA II TNT TP-R-B13-2-8 TP-R-B13-2-8(7.5-8.0) 08/02/06		AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(6.0-6.5) 08/02/06		AREA II TNT TP-R-B13-2-9 TP-R-B13-2-9(9.5-10.0) 08/02/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	83 J		110 J		-		220	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		-		-	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		-		-	
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-		-		-		-	
METALS	ARSENIC	MG/KG	NS	20	20	-		-		-		-	
METALS	LEAD	MG/KG	NS	400	600	-		-		-		-	
METALS	THALLIUM	MG/KG	NS	2	2	-		-		-		-	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	110 J		130 J		440 J		-	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	570 J		6000 J		150 J		1700 J	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-		120 J		-		270 J	
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-		-		-		-	
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	-		-		-		-	
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-		-		-		-	
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-		-		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-4

Soil - Exceedance Summary - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT TP-R-C10-439-1 TP-R-C10-439-1(1.5-2.0) 08/11/06	AREA II TNT TP-R-C10-439-2 TP-R-C10-439-2(10.5-11.0) 08/11/06	AREA II TNT TP-R-C10-439-3 TP-R-C10-439-3(1.5-2.0) 08/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	NA
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	NA
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	NA
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	NA
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	NA
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	47.2	-	-
METALS	LEAD	MG/KG	NS	400	600	7510	-	1610
METALS	THALLIUM	MG/KG	NS	2	2	2.58	2.15 J	2.21 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	NA	NA
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	NA	NA
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	NA	NA
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	NA	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	NA	NA
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B3-5

Soil - Incomplete Horizontal Delineation - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Former Operational Area	Location ID	Field Sample ID	Analytical Group	RDCSCC Exceedance	NRDCSCC Exceedance	IGWSCC Exceedance
AREA II	MISCELLANEOUS/OFFSITE	E16-8561-04	SB-E16-8561-04(0.0-2.0)	SVOCS	-	-	Y

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TP = Test pit
Y = Horizontal sample was identified by laboratory analysis at concentrations exceeding the RDCSCC, NRDCSCC, or IGWSCC for analytical group indicated on table

Table B3-6

Soil - Incomplete Vertical Delineation - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Former Operational Area	Location ID	Field Sample ID	Analytical Group	RDCSCC Exceedance	NRDCSCC Exceedance	IGWSCC Exceedance
AREA II	NG	TP-R-D11-2031-2	TP-R-D11-2031-2(8.5-9.0)	SVOCS	-	-	Y
AREA II	TNT	SB-R-B13-04	TP-R-B13-04(6.5-7.0)	SVOCS	Y	Y	Y
AREA II	TNT	TP-R-A11-504-2	TP-R-A11-504-2(10.0-10.5)	SVOCS	Y	Y	Y
AREA II	TNT	TP-R-A11-504-3	TP-R-A11-504-3(6.0-6.5)	SVOCS	-	-	Y
AREA II	TNT	TP-R-A12-1-1	TP-R-A12-1-1(8.5-9.0)	SVOCS	-	-	Y
AREA II	TNT	TP-R-B10-5-1	TP-R-B10-5-1(12.0-12.5)	SVOCS	-	-	Y
AREA II	TNT	TP-R-B10-508-4	TP-R-B10-508-4(16.5-17.0)	SVOCS	-	-	Y
AREA II	TNT	TP-R-B12-1-1	TP-R-B12-1-1(9.0-9.5)	SVOCS	-	-	Y
AREA II	TNT	TP-R-B12-1-2	TP-R-B12-1-2(9.0-9.5)	SVOCS	-	-	Y
AREA II	TNT	TP-R-B12-1-3	TP-R-B12-1-3(7.0-7.5)	SVOCS	Y	-	Y
AREA II	TNT	TP-R-B13-1-1	TP-R-B13-1-1(12.5-13.0)	SVOCS	-	-	Y
AREA II	TNT	TP-R-B13-2-2	TP-R-B13-2-2(12.5-13.0)	SVOCS	-	-	Y
AREA II	TNT	TP-R-B13-2-6	TP-R-B13-2-6(4.5-5.0)	SVOCS	Y	Y	Y
AREA II	TNT	TP-R-B13-2-8	TP-R-B13-2-8(7.5-8.0)	SVOCS	-	-	Y
AREA II	TNT	TP-R-B13-2-9	TP-R-B13-2-9(9.5-10.0)	SVOCS	-	-	Y
AREA II	NG	C11-2233-01	SB-C11-2233-01	METALS	Y	Y	-
AREA II	TNT	SB-R-C10-04	TP-R-C10-04(6.0-6.5)	METALS	Y	Y	-
AREA II	TNT	TP-R-A11-7-2	TP-R-A11-7-2(6.5-7.0)	METALS	Y	-	-
AREA II	TNT	TP-R-B10-2/B10-509-5	TP-R-B10-2/B10-509-5(11.0-11.5)	METALS	Y	Y	-
AREA II	TNT	TP-R-B10-501-1	TP-R-B10-501-1(13.0-13.5)	METALS	Y	Y	-
AREA II	TNT	TP-R-B10-505-2	TP-R-B10-505-2(8.0-8.5)	METALS	Y	Y	-
AREA II	TNT	TP-R-B10-505-3	TP-R-B10-505-3(8.0-8.5)	METALS	Y	Y	-
AREA II	TNT	TP-R-B10-6-1	TP-R-B10-6-1(12.0-12.5)	METALS	Y	Y	-
AREA II	TNT	TP-R-C10-439-2	TP-R-C10-439-2(10.5-11.0)	METALS	Y	Y	-
AREA II	DYNAMITE	TP-R-C13-666-1	TP-R-C13-666-1(6.5-7.0)	E&E	Y	-	Y
AREA II	DYNAMITE	TP-R-C13-666-2	TP-R-C13-666-2(6.5-7.0)	E&E	-	-	Y
AREA II	DYNAMITE	TP-R-C13-666-3	TP-R-C13-666-3(6.5-7.0)	E&E	-	-	Y
AREA II	DYNAMITE	TP-R-C13-666-4	TP-R-C13-666-4(7.0-7.5)	E&E	-	-	Y
AREA II	DYNAMITE	TP-R-C13-666-5	TP-R-C13-666-5(7.5-8.0)	E&E	-	-	Y
AREA II	TNT	B11-663-06	TP-R-B11-663-06(8.0-8.5)	E&E	-	-	Y
AREA II	TNT	SB-R-B13-04	SB-R-B13-04(2.5-3.0)	E&E	-	-	Y
AREA II	TNT	TP-R-A11-4-2	TP-R-A11-4-2(8.0-8.5)	E&E	Y	-	Y
AREA II	TNT	TP-R-A11-5-1	TP-R-A11-5-1(5.0-5.5)	E&E	-	-	Y
AREA II	TNT	TP-R-A11-5-2	TP-R-A11-5-2(7.5-8.0)	E&E	Y	-	Y
AREA II	TNT	TP-R-A11-504-2	TP-R-A11-504-2(10.0-10.5)	E&E	Y	Y	Y
AREA II	TNT	TP-R-A11-7-1	TP-R-A11-7-1(6.5-7.0)	E&E	-	-	Y
AREA II	TNT	TP-R-A12-1-1	TP-R-A12-1-1(8.5-9.0)	E&E	-	-	Y
AREA II	TNT	TP-R-A12-426-2	TP-R-A12-426-2(7.0-7.5)	E&E	-	-	Y
AREA II	TNT	TP-R-A13-625-1	TP-R-A13-625-1(8.5-9.0)	E&E	-	-	Y
AREA II	TNT	TP-R-A13-625-2	TP-R-A13-625-2(9.0-9.5)	E&E	-	-	Y
AREA II	TNT	TP-R-A13-625-3	TP-R-A13-625-3(9.0-9.5)	E&E	-	-	Y
AREA II	TNT	TP-R-A13-625-4	TP-R-A13-625-4(8.0-8.5)	E&E	-	-	Y
AREA II	TNT	TP-R-A13-625-5	TP-R-A13-625-5(8.5-9.0)	E&E	-	-	Y
AREA II	TNT	TP-R-A13-625-6	TP-R-A13-625-6(8.0-8.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-2/B10-509-2	TP-R-B10-2/B10-509-2(9.5-10.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-2/B10-509-3	TP-R-B10-2/B10-509-3(13.0-13.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-2/B10-509-4	TP-R-B10-2/B10-509-4(14.0-14.5)	E&E	-	-	Y

Table B3-6

Soil - Incomplete Vertical Delineation - Area II
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Former Operational Area	Location ID	Field Sample ID	Analytical Group	RDCSCC Exceedance	NRDCSCC Exceedance	IGWSCC Exceedance
AREA II	TNT	TP-R-B10-2/B10-509-5	TP-R-B10-2/B10-509-5(11.0-11.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-2/B10-509-6	TP-R-B10-2/B10-509-6(9.5-10.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-2/B10-509-7	TP-R-B10-2/B10-509-7(10.5-11.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-2/B10-509-8	TP-R-B10-2/B10-509-8(10.5-11.0)	E&E	Y	Y	Y
AREA II	TNT	TP-R-B10-5-1	TP-R-B10-5-1(12.0-12.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-505-2	TP-R-B10-505-2(8.0-8.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-505-4	TP-R-B10-505-4(11.5-12.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-505-5	TP-R-B10-505-5(10.5-11.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-508-1	TP-R-B10-508-1(14.5-15.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-508-2	TP-R-B10-508-2(10.5-11.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-508-3	TP-R-B10-508-3(16.5-17.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-508-4	TP-R-B10-508-4(16.5-17.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B10-6-1	TP-R-B10-6-1(12.0-12.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B12-1-1	TP-R-B12-1-1(9.0-9.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B12-1-2	TP-R-B12-1-2(9.0-9.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B12-1-3	TP-R-B12-1-3(7.0-7.5)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-1-1	TP-R-B13-1-1(12.5-13.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-1-2	TP-R-B13-1-2(13.5-14.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-1-3	TP-R-B13-1-3(11.5-12.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-1-4	TP-R-B13-1-4(11.5-12.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-1-5	TP-R-B13-1-5(11.5-12.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-2-2	TP-R-B13-2-2(12.5-13.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-2-4	TP-R-B13-2-4(9.5-10.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-2-5	TP-R-B13-2-5(8.5-9.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-2-6	TP-R-B13-2-6(4.5-5.0)	E&E	Y	Y	Y
AREA II	TNT	TP-R-B13-2-7	TP-R-B13-2-7(11.5-12.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-2-8	TP-R-B13-2-8(7.5-8.0)	E&E	-	-	Y
AREA II	TNT	TP-R-B13-2-9	TP-R-B13-2-9(9.5-10.0)	E&E	-	-	Y

Notes:

- All sample depths on this table (0.5-1.0) refer to feet below ground surface
- VOCS = Volatile organic constituents
- SVOCS = Semi-volatile organic constituents
- E&E = Explosive and energetic constituents
- IGWSCC = Impact to groundwater soil cleanup criteria
- RDCSCC = Residential direct contact soil cleanup criteria
- NRDCSCC = Non-residential direct contact soil cleanup criteria
- SB = Soil boring
- TP = Test pit
- Y = Maximum vertical sample was identified by laboratory analysis at concentrations exceeding the RDCSCC, NRDCSCC, or IGWSCC for analytical group indicated on table

Table B4-1

Soil - AOCs Reserved for the RI - Area III
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Operational Area	AOC Designation	Name	Description	Justification for Reserving the AOCs for the RI	Proposed Analytical Requirements*	Analytical Group Added due to Field Observations**
Area III	A-Line	E9-1	Store House	Wooden construction over concrete block; seven loading doors on SE and NW sides; stressed vegetation leads to culvert on SE side of bldg.	This AOC was reserved for the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area III	A-Line	E9-2119	Dry House	Wooden construction over concrete foundation; rail line; loading area on NW side; two steam pipe outlets on SE side. No evidence of release.	This AOC was reserved for the Remedial Investigation due to the presence of powder on the ground, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area III	A-Line	E9-2337	100-ft Dryer	Wood construction over concrete block; steam process water line leads to SE. No evidence of release.	This AOC was reserved for the Remedial Investigation due to the presence of powder on the ground, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area III	A-Line	F10-2094	NC Weigh House	Wooden construction over concrete foundation-loading area on SE side; new floor drain on NW side routed to adjacent culvert to WWTP. No evidence of release.	This AOC was reserved for the Remedial Investigation due to the presence of powder on the ground, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area III	A-Line	G8-2110	Cut Powder Store	Wooden bldg. constructed on concrete footers; rail loading area on NE side; 1' x 1' duct work vent on NW side. No evidence of release.	This AOC was reserved for the Remedial Investigation due to the presence of E&E materials found to be present using an Expray Test Kit, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	-
Area III	AN	H12-237	Former Burning Ground	Large areas of SV; minor amounts of gray/green discoloration. Slag aggregate present (area=25,000 sq. ft.).	This AOC was reserved for the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area III	AN	H13-1	Unknown Name	Bldg. demolished-wood construction; three posts evident in W corner; stressed vegetation in W corner and N of rail line off of N corner of bldg.	This AOC was reserved for the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area III	AN	H13-7	Stressed Vegetation	Large area with minimal vegetation; white powdery material present in small amounts to S corner of area (area=6,200 sq. ft.).	This AOC was reserved for the Remedial Investigation due to the presence of E&E materials, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area III	Maintenance	G9-4	Buried Drum Area	Approximately 50 drums buried shallow beneath ground surface. Drums removed as part of IRM (perimeter=500 feet).	This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-
Area III	Maintenance	H11-1	Former Burning Ground	Currently largely vegetated area with dark soil present towards E corner. No evidence of release (area=16,000 sq. ft.).	This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	VOCs, SVOCs, Metals, E&E, PCBs	-

Notes:
AC = Air conditioning
AOC = Area of concern
AST = Aboveground storage tank
Bldg = Building
DIGL-RIP = Stick propellant
E&E = Explosive and energetic
EQ = Equilization tank
FID = Flame-ionization detector
Gal = Gallon
HVAC = Heating ventilation/air conditioning
IRM = Interim remedial measure
NA = Not applicable

NC = Nitrocellulose
NG = Nitroglycerin
No. = Number
PETN = Pentaerythritol tetranitrate
PID = Photoionization detector
PPM = Parts per million
PVC = Polyvinyl chloride
RR = Railroad
Sq Ft = Square Foot
SS = Stainless steel
SV = Stressed vegetation
TNT = 2,4,6-Trinitrotoluene

WWTP = Wastewater treatment plant
XRF = X-ray fluorescence

~ = Approximately
` = Foot
" = Inch
? = Unknown

Group A explosives include TNT, TNB, Picric Acid and Comp B
Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin
Group C explosives include those containing nitrates such as ANFO and black powder

*In the event field observations indicated the presence of an analytical group within a sample interval which was not specified in the SI, the analytical group was added to the analytical requirements for that sample.
**Refer to Appendix B - Soil Boring Logs for field observations made during the RI.

Table B4-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area III
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA III	A-LINE	SI AOC Vertical	-	E9-2296-09	TP-R-E9-2296-09(11.5-12.0)	08/10/06	NA	NA	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Vertical	-	F9-PA6-01	TP-R-F9-PA6-01(9.0-9.5)	08/10/06	NA	NA	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-086	SB-R-E10-04	SB-R-E10-04(0.5-1.0)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-086	SB-R-E10-04	SB-R-E10-04(2.0-2.5)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-083	SB-R-E9-01	SB-R-E9-01(0.5-1.0)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-083	SB-R-E9-01	SB-R-E9-01(4.5-5.0)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-081	SB-R-E9-02	SB-R-E9-02(1.08-1.58)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-081	SB-R-E9-02	SB-R-E9-02(4.0-4.5)	06/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-115	SB-R-F10-01	SB-R-F10-01(1.33-1.83)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-115	SB-R-F10-01	SB-R-F10-01(4.0-4.5)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-101	SB-R-F10-02	SB-R-F10-02(1.0-1.5)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-101	SB-R-F10-02	SB-R-F10-02(4.0-4.5)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-111	SB-R-F10-03	SB-R-F10-03(0.75-1.25)	05/09/06	X	X	X	X	X	-	Y	-	-	-
AREA III	A-LINE	Grid-Based	R-111	SB-R-F10-03	SB-R-F10-03(5.0-5.5)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-097	SB-R-F10-04	SB-R-F10-04(0.5-1.0)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-097	SB-R-F10-04	SB-R-F10-04(3.0-3.5)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-102	SB-R-F8-01	SB-R-F8-01(0.5-1.0)	05/11/06	X	X	X	X	X	-	-	Y	Y	-
AREA III	A-LINE	Grid-Based	R-102	SB-R-F8-01	TP-R-F8-01(4.5-5.0)	08/07/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-108	SB-R-F9-01	SB-R-F9-01(1.0-1.5)	05/09/06	X	X	X	X	X	-	Y	-	Y	-
AREA III	A-LINE	Grid-Based	R-108	SB-R-F9-01	SB-R-F9-01(5.0-5.5)	05/09/06	X	X	X	X	X	-	-	Y	-	-
AREA III	A-LINE	Grid-Based	R-108	SB-R-F9-01	TP-R-F9-01(9.0-9.5)	08/08/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-095	SB-R-F9-02	SB-R-F9-02(1.5-2.0)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-095	SB-R-F9-02	SB-R-F9-02(4.5-5.0)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-092	SB-R-F9-03	SB-R-F9-03(0.75-1.25)	05/09/06	X	X	X	X	X	-	Y	-	-	-
AREA III	A-LINE	Grid-Based	R-092	SB-R-F9-03	SB-R-F9-03(4.5-5.0)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-105	SB-R-F9-04	SB-R-F9-04(1.67-2.17)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-105	SB-R-F9-04	SB-R-F9-04(4.0-4.5)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-126	SB-R-G10-04	SB-R-G10-04(1.5-2.0)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-126	SB-R-G10-04	SB-R-G10-04(4.25-4.75)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-133	SB-R-G8-01	SB-R-G8-01(0.97-1.42)	05/10/06	X	X	X	X	X	-	-	Y	-	-
AREA III	A-LINE	Grid-Based	R-133	SB-R-G8-01	SB-R-G8-01(4.0-4.5)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-116	SB-R-G8-02	SB-R-G8-02(0.5-1.0)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-116	SB-R-G8-02	SB-R-G8-02(6.0-6.5)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-128	SB-R-G8-03	SB-R-G8-03(0.75-1.25)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-128	SB-R-G8-03	SB-R-G8-03(2.5-3.0)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-112	SB-R-G8-04	SB-R-G8-04(0.75-1.25)	05/11/06	X	X	X	X	X	-	-	Y	-	-
AREA III	A-LINE	Grid-Based	R-112	SB-R-G8-04	SB-R-G8-04(4.0-4.5)	05/11/06	X	X	X	X	X	-	-	-	Y	-
AREA III	A-LINE	Grid-Based	R-112	SB-R-G8-04	TP-R-G8-04(8.0-8.5)	08/07/06	NA	NA	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-142	SB-R-G9-01	SB-R-G9-01(0.75-1.25)	05/09/06	X	X	X	X	X	-	Y	-	-	-
AREA III	A-LINE	Grid-Based	R-142	SB-R-G9-01	SB-R-G9-01(4.75-5.25)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-124	SB-R-G9-02	SB-R-G9-02(1.0-1.5)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-124	SB-R-G9-02	SB-R-G9-02(2.25-2.75)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-120	SB-R-G9-04	SB-R-G9-04(0.83-1.33)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	Grid-Based	R-120	SB-R-G9-04	SB-R-G9-04(4.0-4.5)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-E9-2119/E9-1-1	TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0)	08/09/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-E9-2119/E9-1-1	TP-R-E9-2119/E9-2337/E9-1-1(7.0-7.5)	08/09/06	NA	X	NA	X	NA	-	-	-	-	-

Table B4-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area III
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-E9-2119/E9-1-2	TP-R-E9-2119/E9-2337/E9-1-2(0.5-1.0)	08/09/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-E9-2119/E9-1-2	TP-R-E9-2119/E9-2337/E9-1-2(8.5-9.0)	08/09/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-E9-2119/E9-1-3	TP-R-E9-2119/E9-2337/E9-1-3(0.5-1.0)	08/09/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-E9-2119/E9-1-3	TP-R-E9-2119/E9-2337/E9-1-3(8.0-8.5)	08/09/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-E9-2119/E9-1-4	TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5)	08/09/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-E9-2119/E9-1-4	TP-R-E9-2119/E9-2337/E9-1-4(7.5-8.0)	08/09/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-F10-2094-1	TP-R-F10-2094-1(1.0-1.5)	08/09/06	NA	X	NA	X	NA	-	Y	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-F10-2094-1	TP-R-F10-2094-1(8.5-9.0)	08/09/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-G8-2110-1	TP-R-G8-2110-1(1.0-1.5)	08/09/06	NA	X	NA	X	NA	-	-	-	Y	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-G8-2110-1	TP-R-G8-2110-1(9.25-9.75)	08/09/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-G8-2110-2	TP-R-G8-2110-2(1.0-1.5)	08/09/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-G8-2110-2	TP-R-G8-2110-2(8.0-8.5)	08/09/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-G8-2110-3	TP-R-G8-2110-3(0.5-1.0)	08/18/06	NA	X	NA	X	NA	-	Y	-	Y	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-G8-2110-3	TP-R-G8-2110-3(7.5-8.0)	08/18/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-G8-2110-4	TP-R-G8-2110-4(1.0-1.5)	08/18/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	A-LINE	SI AOC Rsvd for RI	-	TP-R-G8-2110-4	TP-R-G8-2110-4(8.0-8.5)	08/18/06	NA	X	NA	X	NA	-	-	-	-	-
AREA III	AN	Grid-Based	R-215	SB-R-H13-02	SB-R-H13-02(0.5-1.0)	05/12/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-215	SB-R-H13-02	TP-R-H13-02(4.5-5.0)	08/01/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-211	SB-R-H13-03	SB-R-H13-03(0.5-1.0)	05/12/06	X	X	X	X	X	-	Y	-	-	-
AREA III	AN	Grid-Based	R-211	SB-R-H13-03	SB-R-H13-03(4.0-4.5)	05/12/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-198	SB-R-H13-04	SB-R-H13-04(0.5-1.0)	05/12/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-198	SB-R-H13-04	SB-R-H13-04(4.0-4.5)	05/12/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-226	SB-R-I12-02	SB-R-I12-02(0.5-1.0)	05/15/06	X	X	X	X	X	-	-	-	-	Y
AREA III	AN	Grid-Based	R-226	SB-R-I12-02	SB-R-I12-02(4.0-4.5)	05/15/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-243	SB-R-I12-03	SB-R-I12-03(1.5-2.0)	05/15/06	X	X	X	X	X	-	-	-	-	Y
AREA III	AN	Grid-Based	R-243	SB-R-I12-03	SB-R-I12-03(4.5-5.0)	05/15/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-239	SB-R-I12-04	SB-R-I12-04(0.5-1.0)	05/15/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-239	SB-R-I12-04	SB-R-I12-04(4.0-4.5)	05/15/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-230	SB-R-I13-01	SB-R-I13-01(0.5-1.0)	05/12/06	X	X	X	X	X	-	Y	Y	Y	-
AREA III	AN	Grid-Based	R-230	SB-R-I13-01	SB-R-I13-01(4.0-4.5)	05/12/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	Grid-Based	R-247	SB-R-I13-02	SB-R-I13-02(0.5-1.0)	05/12/06	X	X	X	X	X	-	-	-	-	Y
AREA III	AN	Grid-Based	R-247	SB-R-I13-02	TP-R-I13-02(7.5-8.0)	08/25/06	X	X	X	X	X	-	-	-	Y	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-1	TP-R-H12-237/H13-7/H13-1-1(1.5-2.0)	08/01/06	X	X	X	X	X	-	Y	Y	Y	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-1	TP-R-H12-237/H13-7/H13-1-1(11.5-12.0)	08/01/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-1	TP-R-H12-237/H13-7/H13-1-1(6.5-7.0)	08/01/06	X	X	X	X	X	-	Y	Y	Y	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-2	TP-R-H12-237/H13-7/H13-1-2(1.5-2.0)	08/01/06	X	X	X	X	X	-	Y	Y	Y	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-2	TP-R-H12-237/H13-7/H13-1-2(10.5-11.0)	08/01/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-3	TP-R-H12-237/H13-7/H13-1-3(1.5-2.0)	08/01/06	X	X	X	X	X	-	-	Y	-	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-3	TP-R-H12-237/H13-7/H13-1-3(9.5-10.0)	08/01/06	X	X	X	X	X	-	-	Y	-	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-4	TP-R-H12-237/H13-7/H13-1-4(1.5-2.0)	08/01/06	X	X	X	X	X	-	Y	Y	Y	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-4	TP-R-H12-237/H13-7/H13-1-4(6.5-7.0)	08/01/06	X	X	X	X	X	-	Y	Y	Y	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-4	TP-R-H12-237/H13-7/H13-1-4(9.5-10.0)	08/01/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-5	TP-R-H12-237/H13-7/H13-1-5(1.5-2.0)	08/01/06	X	X	X	X	X	-	Y	Y	Y	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-5	TP-R-H12-237/H13-7/H13-1-5(12.5-13.0)	08/01/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-5	TP-R-H12-237/H13-7/H13-1-5(6.5-7.0)	08/01/06	X	X	X	X	X	-	-	-	-	-
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-6	TP-R-H12-237/H13-7/H13-1-6(1.5-2.0)	08/01/06	X	X	X	X	X	-	Y	Y	-	-

Table B4-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area III
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA III	AN	SI AOC Rsvd for RI	-	TP-R-H12-237/H13-1-6	TP-R-H12-237/H13-7/H13-1-6(11.5-12.0)	08/01/06	X	X	X	X	X	-	-	-	-	-
AREA III	DIAZO	Grid-Based	R-175	SB-R-H8-01	SB-R-H8-01(0.5-1.0)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	DIAZO	Grid-Based	R-175	SB-R-H8-01	SB-R-H8-01(2.0-2.5)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	DIAZO	Grid-Based	R-170	SB-R-H8-03	SB-R-H8-03(0.75-1.25)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	DIAZO	Grid-Based	R-170	SB-R-H8-03	SB-R-H8-03(3.0-3.5)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Vertical	-	G10-8204-06	TP-R-G10-8204-06(6.0-6.5)	08/10/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-123	SB-R-F11-01	SB-R-F11-01(0.5-1.0)	05/05/06	X	X	X	X	X	-	Y	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-123	SB-R-F11-01	SB-R-F11-01(2.0-2.5)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-119	SB-R-F11-02	SB-R-F11-02(1.75-2.25)	05/08/06	X	X	X	X	X	-	Y	Y	-	Y
AREA III	MAINTENANCE	Grid-Based	R-119	SB-R-F11-02	SB-R-F11-02(5.0-5.5)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-104	SB-R-F11-03	SB-R-F11-03(0.5-1.0)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-104	SB-R-F11-03	SB-R-F11-03(4.0-4.5)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-153	SB-R-G10-01	SB-R-G10-01(0.5-1.0)	05/04/06	X	X	X	X	X	-	-	-	-	Y
AREA III	MAINTENANCE	Grid-Based	R-153	SB-R-G10-01	SB-R-G10-01(2.0-2.5)	05/04/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-153	SB-R-G10-01	TP-R-G10-01(6.0-6.5)	08/01/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-131	SB-R-G10-02	SB-R-G10-02(1.0-1.5)	05/08/06	X	X	X	X	X	-	-	Y	Y	-
AREA III	MAINTENANCE	Grid-Based	R-131	SB-R-G10-02	SB-R-G10-02(4.0-4.5)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-148	SB-R-G10-03	SB-R-G10-03(0.75-1.25)	05/08/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-148	SB-R-G10-03	SB-R-G10-03(4.0-4.5)	05/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-157	SB-R-G11-01	SB-R-G11-01(0.5-1.0)	05/05/06	X	X	X	X	X	-	Y	Y	-	Y
AREA III	MAINTENANCE	Grid-Based	R-157	SB-R-G11-01	SB-R-G11-01(4.5-5.0)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-163	SB-R-G11-02	SB-R-G11-02(1.0-1.5)	05/05/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-163	SB-R-G11-02	SB-R-G11-02(2.5-3.0)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-141	SB-R-G11-03	SB-R-G11-03(1.0-1.5)	05/05/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-141	SB-R-G11-03	SB-R-G11-03(5.0-5.5)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-136	SB-R-G11-04	SB-R-G11-04(1.0-1.5)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-136	SB-R-G11-04	SB-R-G11-04(5.0-5.5)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-172	SB-R-G12-01	SB-R-G12-01(0.5-1.0)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-172	SB-R-G12-01	SB-R-G12-01(5.5-6.0)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-165	SB-R-G12-02	SB-R-G12-02(1.0-1.5)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-165	SB-R-G12-02	SB-R-G12-02(6.0-6.5)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-147	SB-R-G12-03	SB-R-G12-03(0.5-1.0)	05/05/06	X	X	X	X	X	-	Y	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-147	SB-R-G12-03	SB-R-G12-03(5.0-5.5)	05/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-138	SB-R-G9-03	SB-R-G9-03(0.5-1.0)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-138	SB-R-G9-03	SB-R-G9-03(5.0-5.5)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-173	SB-R-H10-01	SB-R-H10-01(0.5-1.0)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-173	SB-R-H10-01	SB-R-H10-01(2.0-2.5)	05/04/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-173	SB-R-H10-01	TP-R-H10-01(6.0-6.5)	08/01/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-191	SB-R-H10-02	SB-R-H10-02(0.5-1.0)	05/04/06	X	X	X	X	X	-	Y	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-191	SB-R-H10-02	SB-R-H10-02(4.0-4.5)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-187	SB-R-H10-03	SB-R-H10-03(0.5-1.0)	05/09/06	X	X	X	X	X	-	Y	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-187	SB-R-H10-03	SB-R-H10-03(2.5-3.0)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-168	SB-R-H10-04	SB-R-H10-04(1.0-1.5)	05/09/06	X	X	X	X	X	-	Y	Y	Y	-
AREA III	MAINTENANCE	Grid-Based	R-168	SB-R-H10-04	SB-R-H10-04(5.0-5.5)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-200	SB-R-H11-01	SB-R-H11-01(1.0-1.5)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-200	SB-R-H11-01	SB-R-H11-01(4.0-4.5)	05/04/06	X	X	X	X	X	-	-	-	-	-

Table B4-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area III
Volume B - Remedial Investigation Report
Hercules Incorporated
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							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA III	MAINTENANCE	Grid-Based	R-182	SB-R-H11-02	SB-R-H11-02(0.5-1.0)	05/04/06	X	X	X	X	X	-	Y	Y	Y	Y
AREA III	MAINTENANCE	Grid-Based	R-182	SB-R-H11-02	SB-R-H11-02(2.5-3.0)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-195	SB-R-H11-03	SB-R-H11-03(1.0-1.5)	05/04/06	X	X	X	X	X	-	Y	Y	Y	Y
AREA III	MAINTENANCE	Grid-Based	R-195	SB-R-H11-03	SB-R-H11-03(5.0-5.5)	05/04/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-195	SB-R-H11-03	TP-R-H11-03(9.0-9.5)	07/31/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-178	SB-R-H11-04	SB-R-H11-04(0.5-1.0)	05/04/06	X	X	X	X	X	-	Y	Y	Y	Y
AREA III	MAINTENANCE	Grid-Based	R-178	SB-R-H11-04	SB-R-H11-04(4.0-4.5)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-207	SB-R-H12-01	SB-R-H12-01(1.5-2.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-207	SB-R-H12-01	SB-R-H12-01(5.0-5.5)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-203	SB-R-H12-02	SB-R-H12-02(0.5-1.0)	05/03/06	X	X	X	X	X	-	Y	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-203	SB-R-H12-02	SB-R-H12-02(4.0-4.5)	05/03/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-190	SB-R-H12-03	SB-R-H12-03(0.5-1.0)	05/03/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-190	SB-R-H12-03	SB-R-H12-03(4.0-4.5)	05/03/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-186	SB-R-H12-04	SB-R-H12-04(0.5-1.0)	05/04/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-186	SB-R-H12-04	SB-R-H12-04(4.0-4.5)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-194	SB-R-H13-01	SB-R-H13-01(0.5-1.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-194	SB-R-H13-01	SB-R-H13-01(2.5-3.0)	05/02/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-183	SB-R-H9-01	SB-R-H9-01(1.0-1.5)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-183	SB-R-H9-01	SB-R-H9-01(5.0-5.5)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-162	SB-R-H9-02	SB-R-H9-02(0.5-1.0)	05/09/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-162	SB-R-H9-02	SB-R-H9-02(2.0-2.5)	05/09/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-162	SB-R-H9-02	TP-R-H9-02(6.0-6.5)	08/01/06	NA	NA	X	NA	NA	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-179	SB-R-H9-03	SB-R-H9-03(1.0-1.5)	05/10/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-179	SB-R-H9-03	SB-R-H9-03(3.0-3.5)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-158	SB-R-H9-04	SB-R-H9-04(0.5-1.0)	05/10/06	X	X	X	X	X	-	Y	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-158	SB-R-H9-04	SB-R-H9-04(4.0-4.5)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-209	SB-R-I10-04	SB-R-I10-04(1.0-1.5)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-209	SB-R-I10-04	SB-R-I10-04(4.0-4.5)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-217	SB-R-I11-03	SB-R-I11-03(0.5-1.0)	05/03/06	X	X	X	X	X	-	Y	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-217	SB-R-I11-03	SB-R-I11-03(4.0-4.5)	05/03/06	X	X	X	X	X	-	Y	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-217	SB-R-I11-03	TP-R-I11-03(8.0-8.5)	07/31/06	NA	X	NA	NA	NA	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-213	SB-R-I11-04	SB-R-I11-04(0.5-1.0)	05/04/06	X	X	X	X	X	-	Y	Y	-	-
AREA III	MAINTENANCE	Grid-Based	R-213	SB-R-I11-04	SB-R-I11-04(5.0-5.5)	05/04/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-221	SB-R-I12-01	SB-R-I12-01(1.0-1.5)	05/03/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	Grid-Based	R-221	SB-R-I12-01	SB-R-I12-01(4.0-4.5)	05/03/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-G9-4-1	TP-R-G9-4-1(0.5-1.0)	08/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-G9-4-1	TP-R-G9-4-1(3.0-3.5)	08/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-G9-4-1	TP-R-G9-4-1(6.75-7.25)	08/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-G9-4-2	TP-R-G9-4-2(1.0-1.5)	08/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-G9-4-2	TP-R-G9-4-2(7.5-8.0)	08/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-G9-4-3	TP-R-G9-4-3(1.0-1.5)	08/08/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-G9-4-3	TP-R-G9-4-3(7.0-7.5)	08/08/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-1	TP-R-H11-1-1(1.5-2.0)	07/31/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-1	TP-R-H11-1-1(9.5-10.0)	07/31/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-2	TP-R-H11-1-2(1.5-2.0)	07/31/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-2	TP-R-H11-1-2(9.5-10.0)	07/31/06	X	X	X	X	X	-	-	-	-	-

Table B4-2

Soil - Sampling and Analysis Plan with Exceedance Summary - Area III
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

							Analytical Sampling Requirements					Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances				
Remedial Area	Former Operational Area	Sample Strategy	Preliminary Location ID	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	METALS	E&E	PCBS	VOCS	SVOCS	METALS	E&E	PCBS
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-3	TP-R-H11-1-3(1.5-2.0)	07/31/06	X	X	X	X	X	-	Y	Y	-	Y
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-3	TP-R-H11-1-3(5.0-5.5)	07/31/06	X	X	X	X	X	-	-	-	-	Y
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-3	TP-R-H11-1-3(8.5-9.0)	07/31/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-4	TP-R-H11-1-4(1.5-2.0)	07/31/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-4	TP-R-H11-1-4(8.5-9.0)	07/31/06	X	X	X	X	X	-	-	-	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-5	TP-R-H11-1-5(1.5-2.0)	07/31/06	X	X	X	X	X	-	-	Y	-	-
AREA III	MAINTENANCE	SI AOC Rsvd for RI	-	TP-R-H11-1-5	TP-R-H11-1-5(9.5-10.0)	07/31/06	X	X	X	X	X	-	-	-	-	-
AREA III	MISCELLANEOUS/OFFSITE	Grid-Based	R-088	SB-R-F8-02	SB-R-F8-02(0.5-1.0)	07/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MISCELLANEOUS/OFFSITE	Grid-Based	R-098	SB-R-F8-03	SB-R-F8-03(0.5-1.0)	07/05/06	NA	X	X	X	X	-	-	Y	-	-
AREA III	MISCELLANEOUS/OFFSITE	Grid-Based	R-122	SB-R-G7-01	SB-R-G7-01(0.5-1.0)	07/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	MISCELLANEOUS/OFFSITE	Grid-Based	R-129	SB-R-H6-04	SB-R-H6-04(0.5-1.0)	07/06/06	X	X	X	X	X	-	Y	-	-	-
AREA III	MISCELLANEOUS/OFFSITE	Grid-Based	R-129	SB-R-H6-04	SB-R-H6-04(3.5-4.0)	08/24/06	NA	X	NA	NA	NA	-	-	-	-	-
AREA III	MISCELLANEOUS/OFFSITE	Grid-Based	R-234	SB-R-I13-03	SB-R-I13-03(0.5-1.0)	06/27/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-114	SB-R-G6-01	SB-R-G6-01(0.5-1.0)	05/15/06	X	X	X	X	X	-	Y	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-114	SB-R-G6-01	SB-R-G6-01(4.0-4.5)	05/15/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-118	SB-R-G7-02	SB-R-G7-02(0.5-1.0)	07/05/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-135	SB-R-H6-03	SB-R-H6-03(0.5-1.0)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-135	SB-R-H6-03	SB-R-H6-03(4.25-4.75)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-145	SB-R-H7-03	SB-R-H7-03(0.5-1.0)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-145	SB-R-H7-03	SB-R-H7-03(4.25-4.75)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-140	SB-R-H7-04	SB-R-H7-04(0.5-1.0)	05/11/06	X	X	X	X	X	-	Y	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-140	SB-R-H7-04	SB-R-H7-04(4.5-5.0)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-154	SB-R-H8-02	SB-R-H8-02(1.0-1.5)	05/10/06	X	X	X	X	X	-	-	Y	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-154	SB-R-H8-02	SB-R-H8-02(2.5-3.0)	05/10/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-149	SB-R-H8-04	SB-R-H8-04(1.0-1.5)	05/11/06	X	X	X	X	X	-	-	-	-	-
AREA III	WESTERN DEVELOPMENT	Grid-Based	R-149	SB-R-H8-04	SB-R-H8-04(3.0-3.5)	05/11/06	X	X	X	X	X	-	-	-	-	-

Notes:

All sample depths on this table (0.5-1.0) refer to feet below ground surface

VOCS = Volatile organic constituents

SVOCS = Semi-volatile organic constituents

E&E = Explosive and energetic constituents

PCBS = Polychlorinated biphenyls

IGWSCC = Impact to groundwater soil cleanup criteria

RDCSCC = Residential direct contact soil cleanup criteria

NRDCSCC = Non-residential direct contact soil cleanup criteria

NA = Not analyzed

SB = Soil boring

TP = Test pit

* = Preliminary Location ID was established in the Remedial Investigation Work Plan

X = Sample was submitted for laboratory analysis for analytical group indicated on table

Y = Sample was identified by laboratory analysis at concentrations exceeding the IGWSCC/RDCSCC/NRDCSCC for analytical group indicated on table

SI = Site Investigation

RI = Remedial Investigation

SI AOC Rsvd for RI = These samples were collected from SI AOCs reserved for the RI

SI AOC Vertical = These samples were collected for vertical delineation from SI AOC-based locations where SI samples collected at depths greater than 2-ft. bgs indicated applicable soil residential cleanup criteria exceedances.

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE E9-2296-09 TP-R-E9-2296-09(11.5-12.0) 08/10/06	AREA III A-LINE F9-PA6-01 TP-R-F9-PA6-01(9.0-9.5) 08/10/06	AREA III A-LINE SB-R-E10-04 SB-R-E10-04(0.5-1.0) 06/08/06	AREA III A-LINE SB-R-E10-04 SB-R-E10-04(2.0-2.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	3000 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	760 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	760 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	760 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	760 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	NA	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	NA	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	NA	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	NA	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	NA	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	NA	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	NA	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	NA	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	NA	390 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	NA	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	NA	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	NA	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	NA	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	NA	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	NA	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	NA	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	1.22 J	2.29 UJ
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	3.48	2.91
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	0.419 J	0.521 J
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	2.81 U	2.86 U
METALS	COPPER	MG/KG	NS	600	600	NA	NA	5.94 J	15.6 J
METALS	LEAD	MG/KG	NS	400	600	NA	NA	5.36	2.25 J
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	0.0316 J	0.107 U
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	4.59 J	7.77 J
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	2.25 U	2.29 U
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	0.562 U	0.572 U
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	2.25 U	2.29 U
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	21.7	52.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	350 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	680 U	710 U	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	350 U	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	120000 J	110000 J	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	23000	29000	7000 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	890 U	880 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE E9-2296-09 TP-R-E9-2296-09(11.5-12.0) 08/10/06	AREA III A-LINE F9-PA6-01 TP-R-F9-PA6-01(9.0-9.5) 08/10/06	AREA III A-LINE SB-R-E10-04 SB-R-E10-04(0.5-1.0) 06/08/06	AREA III A-LINE SB-R-E10-04 SB-R-E10-04(2.0-2.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	20 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-E9-01 SB-R-E9-01(0.5-1.0) 05/09/06	AREA III A-LINE SB-R-E9-01 SB-R-E9-01(4.5-5.0) 05/09/06	AREA III A-LINE SB-R-E9-02 SB-R-E9-02(1.08-1.58) 06/08/06	AREA III A-LINE SB-R-E9-02 SB-R-E9-02(4.0-4.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	3200 U	2800 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	660 U	800 U	700 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	660 U	800 U	700 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	660 U	800 U	700 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	660 U	800 U	700 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	880 U	200 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	11000 U	2400 U	2200 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	880 U	200 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	880 U	200 U	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	880 U	200 U	180 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	880 U	200 U	180 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	880 U	200 U	180 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	880 U	200 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	1800 U	400 U	370 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	880 U	200 U	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	880 U	200 U	180 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	880 U	200 U	180 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	880 U	200 U	180 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	880 U	200 U	180 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	880 U	200 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	880 U	200 U	180 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.06 UJ	2.42 UJ	2.21 UJ	2.14 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.67	6.69	4.27	5.09
METALS	BERYLLIUM	MG/KG	NS	2	2	0.325 J	0.714	0.460 J	0.267 J
METALS	CADMIUM	MG/KG	NS	39	100	0.387 J	0.572 J	0.554 U	0.535 U
METALS	COPPER	MG/KG	NS	600	600	10.8	18.1	19.3 J	6.76 J
METALS	LEAD	MG/KG	NS	400	600	29.3	12.3	4.53	1.74 J
METALS	MERCURY	MG/KG	NS	14	270	0.0434 J	0.0194 J	0.0200 J	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	6.21	13.8	8.09 J	4.12 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.06 U	2.42 U	2.21 U	2.14 U
METALS	SILVER	MG/KG	NS	110	4100	0.514 U	0.263 J	0.554 U	0.535 U
METALS	THALLIUM	MG/KG	NS	2	2	2.06 U	1.55 J	2.21 U	2.14 U
METALS	ZINC	MG/KG	NS	1500	1500	36.3	79.8	66.6	15.5
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 UJ	360 UJ	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 UJ	360 UJ	330 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 UJ	360 UJ	330 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	320 UJ	360 UJ	330 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 UJ	360 UJ	330 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	480000	140000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	25000 J	7200 UJ	6600 U	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	790 UJ	910 UJ	830 UJ	800 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	18 U	21 U	19 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	18 U	21 U	19 U	18 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-E9-01 SB-R-E9-01(0.5-1.0) 05/09/06	AREA III A-LINE SB-R-E9-01 SB-R-E9-01(4.5-5.0) 05/09/06	AREA III A-LINE SB-R-E9-02 SB-R-E9-02(1.08-1.58) 06/08/06	AREA III A-LINE SB-R-E9-02 SB-R-E9-02(4.0-4.5) 06/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	18 U	21 U	19 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	18 U	21 U	19 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	18 U	21 U	19 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	18 U	21 U	19 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	18 U	21 U	19 U	4.1 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	18 U	21 U	19 U	4.1 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-01 SB-R-F10-01(1.33-1.83) 05/08/06	AREA III A-LINE SB-R-F10-01 SB-R-F10-01(4.0-4.5) 05/08/06	AREA III A-LINE SB-R-F10-02 SB-R-F10-02(1.0-1.5) 05/08/06	AREA III A-LINE SB-R-F10-02 SB-R-F10-02(4.0-4.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	5500 U	2800 U	3400 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	1400 U	700 U	840 U	820 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	1400 U	700 U	840 U	820 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	1400 U	700 U	840 U	820 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	1400 U	700 U	840 U	820 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	230 U	190 U	210 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2800 U	2200 U	2500 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	230 U	190 U	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	230 U	190 U	210 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	230 UJ	190 U	43 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	110 J	190 U	66 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	230 UJ	190 U	210 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	230 U	190 U	210 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	460 U	370 U	420 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	70 J	190 U	64 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	230 U	190 U	210 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	230 UJ	190 U	210 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	230 U	190 U	210 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	49 J	190 U	210 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	230 U	190 U	210 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	230 U	190 U	210 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.73 UJ	2.21 UJ	2.55 UJ	1.40 J
METALS	ARSENIC	MG/KG	NS	20	20	9.06	1.54 J	5.97	2.71
METALS	BERYLLIUM	MG/KG	NS	2	2	0.738	0.561	1.17	0.641
METALS	CADMIUM	MG/KG	NS	39	100	0.161 J	0.554 U	0.419 J	0.109 J
METALS	COPPER	MG/KG	NS	600	600	19.6	13.8	24.1	9.10
METALS	LEAD	MG/KG	NS	400	600	54.6	2.11 J	25.5	3.45
METALS	MERCURY	MG/KG	NS	14	270	0.136 J	0.0049 J	0.0910 J	0.0096 J
METALS	NICKEL	MG/KG	NS	250	2400	9.97	8.32	17.5	6.14
METALS	SELENIUM	MG/KG	NS	63	3100	2.73 U	2.21 U	2.55 U	2.43 U
METALS	SILVER	MG/KG	NS	110	4100	0.682 U	0.554 U	0.637 U	0.608 U
METALS	THALLIUM	MG/KG	NS	2	2	2.73 U	2.21 U	2.55 U	1.32 J
METALS	ZINC	MG/KG	NS	1500	1500	47.2	43.0	120	35.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	420 UJ	340 UJ	380 UJ	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	420 UJ	340 UJ	380 UJ	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	420 UJ	340 UJ	380 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	420 UJ	340 UJ	380 UJ	360 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	420 UJ	340 UJ	380 UJ	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	400000 J	130000 UJ	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8300 UJ	6700 UJ	7600 UJ	7300 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 UJ	840 UJ	960 UJ	910 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	24 U	19 U	22 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	24 U	19 U	22 U	21 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-01 SB-R-F10-01(1.33-1.83) 05/08/06	AREA III A-LINE SB-R-F10-01 SB-R-F10-01(4.0-4.5) 05/08/06	AREA III A-LINE SB-R-F10-02 SB-R-F10-02(1.0-1.5) 05/08/06	AREA III A-LINE SB-R-F10-02 SB-R-F10-02(4.0-4.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	24 U	19 U	22 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	24 U	19 U	22 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	24 U	19 U	22 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	16 J	19 U	22 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 J	19 U	22 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	37 J	19 U	22 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-03 SB-R-F10-03(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-F10-03 SB-R-F10-03(5.0-5.5) 05/09/06	AREA III A-LINE SB-R-F10-04 SB-R-F10-04(0.5-1.0) 05/09/06	AREA III A-LINE SB-R-F10-04 SB-R-F10-04(3.0-3.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	2900 U	2500 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	260 J	720 U	610 U	700 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	720 U	610 U	700 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	720 U	610 U	700 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	720 U	610 U	700 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 UJ	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 UJ	2200 U	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 J	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	110 J	190 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	140 J	190 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	270 J	190 U	47 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	170 J	190 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 UJ	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 UJ	370 U	360 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	110 J	190 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 UJ	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 UJ	190 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 UJ	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	160 J	190 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 UJ	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	3300 J	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.33 UJ	2.22 UJ	2.13 UJ	2.21 UJ
METALS	ARSENIC	MG/KG	NS	20	20	8.99	1.14 J	3.57	1.18 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.582 J	0.567	0.575	0.415 J
METALS	CADMIUM	MG/KG	NS	39	100	0.698	0.649	0.65	0.353 J
METALS	COPPER	MG/KG	NS	600	600	84.9	11.9	13.6	9.13
METALS	LEAD	MG/KG	NS	400	600	186	2.76	12	1.96 J
METALS	MERCURY	MG/KG	NS	14	270	0.149	0.111 U	0.0307 J	0.0045 J
METALS	NICKEL	MG/KG	NS	250	2400	9.55	7.88	8.77	4.98
METALS	SELENIUM	MG/KG	NS	63	3100	2.33 U	2.22 U	2.13 U	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.352 J	0.264 J	0.356 J	0.554 U
METALS	THALLIUM	MG/KG	NS	2	2	1.96 J	1.34 J	1.21 J	1.12 J
METALS	ZINC	MG/KG	NS	1500	1500	136	42.8	53.4	34.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	340 UJ	320 UJ	340 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	340 UJ	320 UJ	340 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	340 UJ	320 UJ	340 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 UJ	340 UJ	320 UJ	340 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	340 UJ	320 UJ	340 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	860000	130000 U	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 UJ	6700 UJ	6400 UJ	6700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 UJ	840 UJ	810 UJ	840 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	18 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	18 U	19 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-03 SB-R-F10-03(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-F10-03 SB-R-F10-03(5.0-5.5) 05/09/06	AREA III A-LINE SB-R-F10-04 SB-R-F10-04(0.5-1.0) 05/09/06	AREA III A-LINE SB-R-F10-04 SB-R-F10-04(3.0-3.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	18 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	18 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	18 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	19 U	18 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	19 U	18 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	19 U	18 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F8-01 SB-R-F8-01(0.5-1.0) 05/11/06	AREA III A-LINE SB-R-F8-01 TP-R-F8-01(4.5-5.0) 08/07/06	AREA III A-LINE SB-R-F9-01 SB-R-F9-01(1.0-1.5) 05/09/06	AREA III A-LINE SB-R-F9-01 SB-R-F9-01(5.0-5.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3100 UJ	3300 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	280 J	770 UJ	220 J	830 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	770 UJ	830 U	830 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	770 UJ	830 U	830 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	770 UJ	830 U	830 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	1900 U	200 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	23000 U	2400 U	2300 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1900 U	200 U	250	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	1900 U	200 U	68 J	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1900 U	200 U	75 J	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1900 U	200 U	170 J	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	1900 U	200 U	92 J	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	1900 U	200 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	3800 U	400 U	390 U	410 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	1900 U	200 U	77 J	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	1900 U	200 U	320	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	1900 U	200 U	190 UJ	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	1900 U	200 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	1900 U	200 U	49 J	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	1900 U	200 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	6500	200 U	1200	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	3.08 J	1.38 J	2.29 UJ	2.38 UJ
METALS	ARSENIC	MG/KG	NS	20	20	82.3	7.00	1.88 J	1.64 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.445 J	0.857	0.549 J	0.699
METALS	CADMIUM	MG/KG	NS	39	100	2.34	2.94 U	0.674	0.527 J
METALS	COPPER	MG/KG	NS	600	600	149 J	20.2	28.2	13.6
METALS	LEAD	MG/KG	NS	400	600	2230	10.7	26.1	5.13
METALS	MERCURY	MG/KG	NS	14	270	0.277	0.0362 J	0.0883 J	0.123 U
METALS	NICKEL	MG/KG	NS	250	2400	14.2 J	13.7	8.37	8.35
METALS	SELENIUM	MG/KG	NS	63	3100	1.42 J	2.35 U	2.29 U	2.38 U
METALS	SILVER	MG/KG	NS	110	4100	0.435 J	0.588 U	0.345 J	0.34 J
METALS	THALLIUM	MG/KG	NS	2	2	2.24 U	2.35 U	1.36 J	3.68 J
METALS	ZINC	MG/KG	NS	1500	1500	757 J	56.9 J	116	50.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	360 U	350 UJ	370 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	360 U	450 J	370 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	360 U	350 UJ	370 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	720 U	350 UJ	370 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	360 U	350 UJ	370 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	1700000 J	140000 UJ	140000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	350000	7200 U	12000 J	7400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 U	900 U	870 UJ	930 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	190 U	20 U	20 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	190 U	20 U	20 U	21 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F8-01 SB-R-F8-01(0.5-1.0) 05/11/06	AREA III A-LINE SB-R-F8-01 TP-R-F8-01(4.5-5.0) 08/07/06	AREA III A-LINE SB-R-F9-01 SB-R-F9-01(1.0-1.5) 05/09/06	AREA III A-LINE SB-R-F9-01 SB-R-F9-01(5.0-5.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	190 U	20 U	20 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	190 U	20 U	20 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	190 U	20 U	20 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	190 U	20 U	20 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	190 U	20 U	20 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	190 U	20 U	20 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F9-01 TP-R-F9-01(9.0-9.5) 08/08/06	AREA III A-LINE SB-R-F9-02 SB-R-F9-02(1.5-2.0) 05/09/06	AREA III A-LINE SB-R-F9-02 SB-R-F9-02(4.5-5.0) 05/09/06	AREA III A-LINE SB-R-F9-03 SB-R-F9-03(0.75-1.25) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3100 U	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	770 U	770 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	770 U	770 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	770 U	770 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	770 U	770 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2300 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	190 U	190 U	97 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	190 U	190 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	190 U	190 U	180 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	190 U	190 U	180 UJ
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	190 U	190 U	180 UJ
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	380 U	370 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	190 U	190 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	190 U	190 U	76 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	190 U	190 U	180 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	190 U	190 U	180 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	190 U	190 U	170 J
METALS	ANTIMONY	MG/KG	NS	14	340	1.13 J	2.27 UJ	2.18 UJ	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.13 J	3.4	1.43 J	4.99
METALS	BERYLLIUM	MG/KG	NS	2	2	0.764	0.584	0.504 J	0.432 J
METALS	CADMIUM	MG/KG	NS	39	100	0.618 U	0.626	0.474 J	0.471 J
METALS	COPPER	MG/KG	NS	600	600	13.6	13.5	12.1	14.4
METALS	LEAD	MG/KG	NS	400	600	3.20	6.46	2.66	102
METALS	MERCURY	MG/KG	NS	14	270	0.122 U	0.0198 J	0.11 U	0.572
METALS	NICKEL	MG/KG	NS	250	2400	8.44	8.3	7.41	7.19
METALS	SELENIUM	MG/KG	NS	63	3100	2.47 U	2.27 U	2.18 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.618 U	0.282 J	0.296 J	0.533 U
METALS	THALLIUM	MG/KG	NS	2	2	2.47 U	1.16 J	2.18 U	1.34 J
METALS	ZINC	MG/KG	NS	1500	1500	49.6 J	71.6	35.8	108
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	340 UJ	330 UJ	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	340 UJ	330 UJ	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	340 UJ	330 UJ	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	340 UJ	330 UJ	330 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	340 UJ	330 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	140000 U	130000 U	83000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	6900 UJ	6700 UJ	6600 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	860 UJ	840 UJ	820 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F9-01 TP-R-F9-01(9.0-9.5) 08/08/06	AREA III A-LINE SB-R-F9-02 SB-R-F9-02(1.5-2.0) 05/09/06	AREA III A-LINE SB-R-F9-02 SB-R-F9-02(4.5-5.0) 05/09/06	AREA III A-LINE SB-R-F9-03 SB-R-F9-03(0.75-1.25) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	19 U	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F9-03 SB-R-F9-03(4.5-5.0) 05/09/06	AREA III A-LINE SB-R-F9-04 SB-R-F9-04(1.67-2.17) 05/10/06	AREA III A-LINE SB-R-F9-04 SB-R-F9-04(4.0-4.5) 05/10/06	AREA III A-LINE SB-R-G10-04 SB-R-G10-04(1.5-2.0) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2700 U	3900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	710 U	660 U	980 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	710 U	660 U	980 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	710 U	660 U	980 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	710 U	660 U	980 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U	260 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2200 U	3100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	180 U	260 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	230	180 U	260 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	230 J	180 U	260 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	350 J	180 U	260 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 J	180 U	260 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U	260 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	370 U	370 U	520 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	220	180 U	79 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U	260 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	53 J	180 U	260 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U	260 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	160 J	180 U	260 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U	260 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	220	180 U	260 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.24 UJ	2.18 UJ	2.17 UJ	3.05 UJ
METALS	ARSENIC	MG/KG	NS	20	20	6.07	3.64 J	1.37 J	6.60
METALS	BERYLLIUM	MG/KG	NS	2	2	0.737	0.562	0.411 J	0.436 J
METALS	CADMIUM	MG/KG	NS	39	100	0.408 J	0.159 J	0.543 U	0.139 J
METALS	COPPER	MG/KG	NS	600	600	15.7	31.0 J	15.7 J	20.7
METALS	LEAD	MG/KG	NS	400	600	8.34	48.3 J	2.74 J	15.4
METALS	MERCURY	MG/KG	NS	14	270	0.113 U	0.0404 J	0.0053 J	0.0293 J
METALS	NICKEL	MG/KG	NS	250	2400	11.1	7.84 J	4.63 J	25.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.24 U	2.18 UJ	2.17 UJ	3.05 U
METALS	SILVER	MG/KG	NS	110	4100	0.217 J	0.546 U	0.543 U	0.762 U
METALS	THALLIUM	MG/KG	NS	2	2	1.33 J	1.27 J	1.39 J	3.05 U
METALS	ZINC	MG/KG	NS	1500	1500	42.6	82.7 J	29.8 J	22.6
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	330 U	330 U	470 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	330 U	330 U	470 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	330 U	330 U	470 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 UJ	330 U	330 U	470 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	330 U	330 U	470 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	130000 U	190000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 UJ	6700 U	6700 U	9400 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 UJ	840 U	830 U	1200 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	19 U	27 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	19 U	27 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F9-03 SB-R-F9-03(4.5-5.0) 05/09/06	AREA III A-LINE SB-R-F9-04 SB-R-F9-04(1.67-2.17) 05/10/06	AREA III A-LINE SB-R-F9-04 SB-R-F9-04(4.0-4.5) 05/10/06	AREA III A-LINE SB-R-G10-04 SB-R-G10-04(1.5-2.0) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	19 U	27 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	19 U	27 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	19 U	27 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	19 U	27 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	19 U	27 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	19 U	27 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G10-04 SB-R-G10-04(4.25-4.75) 05/08/06	AREA III A-LINE SB-R-G8-01 SB-R-G8-01(0.97-1.42) 05/10/06	AREA III A-LINE SB-R-G8-01 SB-R-G8-01(4.0-4.5) 05/10/06	AREA III A-LINE SB-R-G8-02 SB-R-G8-02(0.5-1.0) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2600 U	2700 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	800 U	650 U	660 U	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	650 U	660 U	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	650 U	660 U	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	650 U	660 U	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	170 U	170 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2100 U	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	170 U	170 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	380	170 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	420	170 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	860	170 U	43 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	390	170 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	170 U	170 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	350 U	350 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	500	170 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	170 U	170 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	100 J	170 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	170 U	170 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	330	170 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	170 U	170 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	77 J	170 U	230
METALS	ANTIMONY	MG/KG	NS	14	340	2.34 UJ	0.906 J	2.09 UJ	0.913 J
METALS	ARSENIC	MG/KG	NS	20	20	2.79	29.0 J	1.13 J	2.63 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.668	0.607	0.577	0.757
METALS	CADMIUM	MG/KG	NS	39	100	0.210 J	0.202 J	0.523 U	0.156 J
METALS	COPPER	MG/KG	NS	600	600	11.7	36.9 J	13.5 J	20.0 J
METALS	LEAD	MG/KG	NS	400	600	4.17	33.9 J	1.44 J	63.7 J
METALS	MERCURY	MG/KG	NS	14	270	0.0104 J	0.0129 J	0.103 U	0.0419 J
METALS	NICKEL	MG/KG	NS	250	2400	10.9	8.73 J	5.34 J	7.99 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.34 U	2.02 UJ	2.09 UJ	2.09 UJ
METALS	SILVER	MG/KG	NS	110	4100	0.584 U	0.504 U	0.523 U	0.522 U
METALS	THALLIUM	MG/KG	NS	2	2	2.34 U	1.72 J	1.49 J	1.92 J
METALS	ZINC	MG/KG	NS	1500	1500	78.9	70.8 J	34.5 J	79.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	310 U	310 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	310 U	310 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	310 U	310 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 UJ	310 U	310 U	320 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	310 U	310 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 UJ	6300 U	6300 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 UJ	790 U	780 U	2900
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U	18 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U	18 U	18 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G10-04 SB-R-G10-04(4.25-4.75) 05/08/06	AREA III A-LINE SB-R-G8-01 SB-R-G8-01(0.97-1.42) 05/10/06	AREA III A-LINE SB-R-G8-01 SB-R-G8-01(4.0-4.5) 05/10/06	AREA III A-LINE SB-R-G8-02 SB-R-G8-02(0.5-1.0) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U	18 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U	18 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U	18 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U	18 U	120
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	18 U	18 U	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18 U	18 U	120

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-02 SB-R-G8-02(6.0-6.5) 05/10/06	AREA III A-LINE SB-R-G8-03 SB-R-G8-03(0.75-1.25) 05/11/06	AREA III A-LINE SB-R-G8-03 SB-R-G8-03(2.5-3.0) 05/11/06	AREA III A-LINE SB-R-G8-04 SB-R-G8-04(0.75-1.25) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3100 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	780 U	770 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	780 U	770 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	780 U	770 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	780 U	770 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	210 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2500 U	2500 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	210 U	200 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	210 U	200 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	210 U	200 U	70 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	210 U	200 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	210 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	410 U	410 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	210 U	200 U	59 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	210 U	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	210 U	200 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	210 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	210 U	200 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	210 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	210 U	200 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.11 UJ	2.43 UJ	2.45 UJ	2.37 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.16 J	4.39	6.57	22.2
METALS	BERYLLIUM	MG/KG	NS	2	2	0.547	0.797	0.985	0.727
METALS	CADMIUM	MG/KG	NS	39	100	0.527 U	0.896	1.22	0.967
METALS	COPPER	MG/KG	NS	600	600	19.1 J	15.3 J	20.6 J	44.5 J
METALS	LEAD	MG/KG	NS	400	600	1.45 J	14.9	11.9	77.3
METALS	MERCURY	MG/KG	NS	14	270	0.109 U	0.0153 J	0.0254 J	0.0962 J
METALS	NICKEL	MG/KG	NS	250	2400	4.79 J	14.0 J	15.2 J	10.2 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.11 UJ	2.43 U	2.45 U	2.37 U
METALS	SILVER	MG/KG	NS	110	4100	0.527 U	0.285 J	0.319 J	0.305 J
METALS	THALLIUM	MG/KG	NS	2	2	1.21 J	2.43 U	2.45 U	2.37 U
METALS	ZINC	MG/KG	NS	1500	1500	68.8 J	72.7 J	73.2 J	126 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	370 U	370 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	370 U	370 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	370 U	370 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	370 U	370 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	370 U	370 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	150000 UJ	150000 UJ	94000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	10000	7400 U	8400
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	300 J	930 U	920 U	890 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	21 U	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	21 U	21 U	20 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-02 SB-R-G8-02(6.0-6.5) 05/10/06	AREA III A-LINE SB-R-G8-03 SB-R-G8-03(0.75-1.25) 05/11/06	AREA III A-LINE SB-R-G8-03 SB-R-G8-03(2.5-3.0) 05/11/06	AREA III A-LINE SB-R-G8-04 SB-R-G8-04(0.75-1.25) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	21 U	21 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	21 U	21 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	21 U	21 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	21 U	21 U	9.8 J
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	21 U	21 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	21 U	21 U	9.8 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-04 SB-R-G8-04(4.0-4.5) 05/11/06	AREA III A-LINE SB-R-G8-04 TP-R-G8-04(8.0-8.5) 08/07/06	AREA III A-LINE SB-R-G9-01 SB-R-G9-01(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-G9-01 SB-R-G9-01(4.75-5.25) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	NA	3000 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	790 U	NA	760 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 U	NA	760 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 U	NA	760 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 U	NA	760 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	NA	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	NA	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	NA	220	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	NA	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	NA	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	NA	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	NA	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	NA	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	NA	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	NA	39 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	NA	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	NA	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	NA	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	NA	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	NA	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	NA	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.26 UJ	NA	2.26 UJ	2.21 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.52	NA	8.22	3.2
METALS	BERYLLIUM	MG/KG	NS	2	2	0.466 J	NA	0.821	0.862
METALS	CADMIUM	MG/KG	NS	39	100	0.957	NA	0.539 J	0.759
METALS	COPPER	MG/KG	NS	600	600	15.0 J	NA	14	14.6
METALS	LEAD	MG/KG	NS	400	600	9.16	NA	35.7	5.22
METALS	MERCURY	MG/KG	NS	14	270	0.0121 J	NA	0.0222 J	0.0082 J
METALS	NICKEL	MG/KG	NS	250	2400	13.1 J	NA	13.9	12.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.26 U	NA	1.26 J	2.21 U
METALS	SILVER	MG/KG	NS	110	4100	0.280 J	NA	0.34 J	0.457 J
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	NA	1.33 J	2.21 U
METALS	ZINC	MG/KG	NS	1500	1500	42.8 J	NA	46.3	88.8
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	320 U	340 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	320 U	340 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	320 U	340 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	640 U	340 UJ	350 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	320 U	160 J	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	150000	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	94000	6400 U	6800 UJ	6900 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	800 U	860 UJ	860 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-04 SB-R-G8-04(4.0-4.5) 05/11/06	AREA III A-LINE SB-R-G8-04 TP-R-G8-04(8.0-8.5) 08/07/06	AREA III A-LINE SB-R-G9-01 SB-R-G9-01(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-G9-01 SB-R-G9-01(4.75-5.25) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	NA	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	NA	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G9-02 SB-R-G9-02(1.0-1.5) 05/09/06	AREA III A-LINE SB-R-G9-02 SB-R-G9-02(2.25-2.75) 05/09/06	AREA III A-LINE SB-R-G9-04 SB-R-G9-04(0.83-1.33) 05/10/06	AREA III A-LINE SB-R-G9-04 SB-R-G9-04(4.0-4.5) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2900 U	3000 U	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	790 U	720 U	750 U	650 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	790 U	720 U	750 U	650 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	790 U	720 U	750 U	650 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	790 U	720 U	750 U	650 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	76 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 UJ	180 U	78 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 UJ	180 U	120 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 UJ	180 U	59 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	370 U	390 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	87 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 UJ	180 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 UJ	180 U	51 J	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	140 J	180 U	130 J	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.3 UJ	2.15 UJ	2.35 UJ	2.17 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.47	1.6 J	5.27 J	1.29 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.584	0.78	0.692	0.606
METALS	CADMIUM	MG/KG	NS	39	100	0.566 J	0.588	0.186 J	0.0965 J
METALS	COPPER	MG/KG	NS	600	600	14.1	15.6	24.6 J	13.9 J
METALS	LEAD	MG/KG	NS	400	600	59.6	3.76	34.2 J	1.69 J
METALS	MERCURY	MG/KG	NS	14	270	0.326	0.109 U	0.190	0.108 U
METALS	NICKEL	MG/KG	NS	250	2400	7.69	7.88	10.9 J	8.96 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.3 U	2.15 U	2.35 UJ	2.17 UJ
METALS	SILVER	MG/KG	NS	110	4100	0.338 J	0.296 J	0.588 U	0.542 U
METALS	THALLIUM	MG/KG	NS	2	2	1.55 J	1.51 J	1.83 J	2.17 U
METALS	ZINC	MG/KG	NS	1500	1500	65.7	49.5	92.5 J	41.2 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	330 UJ	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	330 UJ	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	330 UJ	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 UJ	330 UJ	350 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	130 J	330 UJ	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	240000	130000 U	140000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	5800 J	6600 UJ	9000	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	650 J	820 UJ	880 U	830 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G9-02 SB-R-G9-02(1.0-1.5) 05/09/06	AREA III A-LINE SB-R-G9-02 SB-R-G9-02(2.25-2.75) 05/09/06	AREA III A-LINE SB-R-G9-04 SB-R-G9-04(0.83-1.33) 05/10/06	AREA III A-LINE SB-R-G9-04 SB-R-G9-04(4.0-4.5) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	6.1 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	6.1 J	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(7.0-7.5) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(0.5-1.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	180 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	180 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	53 J	180 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 J	180 UJ	39 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	260 J	180 UJ	55 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	87 J	180 UJ	180 UJ
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 U	180 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	370 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	61 J	180 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	80 J	87 J	72 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	170 UJ	180 UJ	180 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	540	180 U	290
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	63 J	180 UJ	180 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	180 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	340	130 J	280
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	330 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	310 U	330 U	140 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	200 J	330 U	380 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	630 UJ	670 UJ	650 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 U	330 U	150 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	590000	67000 J	440000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	15000 J	6700 U	30000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	790 U	830 U	810 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area			AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(7.0-7.5) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(0.5-1.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(8.5-9.0) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(0.5-1.0) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(8.0-8.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	360 U	360 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	160 J	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	640 UJ	650 UJ	690 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6400 U	6500 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	800 U	810 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area			AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(8.5-9.0) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(0.5-1.0) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(8.0-8.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(7.5-8.0) 08/09/06	AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(1.0-1.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	170 U	200 U	1800 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 UJ	2400 U	22000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	170 U	200 U	1800 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 J	76 J	1800 UJ
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 J	51 J	410 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1300 J	82 J	1700 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	440 J	200 U	710 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	170 UJ	200 U	1800 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 UJ	390 U	3600 UJ
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	240 J	66 J	1800 UJ
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	140 J	200 U	1800 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	86 J	200 U	1800 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	850	200 U	1800 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	360 J	200 U	1800 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	170 U	200 U	1800 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	390	200 U	1800 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	310 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	200 J	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	500 J	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	620 UJ	710 UJ	650 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	310 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	730000	140000 U	3200000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	37000 J	7100 U	10000
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	780 U	880 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(7.5-8.0) 08/09/06	AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(1.0-1.5) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(8.5-9.0) 08/09/06	AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(9.25-9.75) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	170 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2100 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	170 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	60 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	52 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	72 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	41 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	170 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	350 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	79 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	170 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	170 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	170 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	170 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	170 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	170 J	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	310 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	660	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	310 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	780 U	620 U	670 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	310 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	120000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7800 U	6200 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	780 U	830 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(8.5-9.0) 08/09/06	AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(9.25-9.75) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-G8-2110-2 TP-R-G8-2110-2(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-2 TP-R-G8-2110-2(8.0-8.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(0.5-1.0) 08/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	180 U	870 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2100 U	2100 U	10000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	180 U	570 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	37 J	180 U	3100
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	39 J	180 U	2500
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	53 J	180 U	16000
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	180 U	6700
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	180 U	870 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	350 U	360 U	1700 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	52 J	180 U	8600
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	180 U	810 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	180 U	1100
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	180 U	870 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	180 U	3500
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	180 U	870 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	290	180 U	3600
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	320 U	320 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	320 U	320 U	520 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	320 U	320 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	630 U	640 U	630 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	320 U	320 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	110000 J	130000 UJ	1000000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	4500 J	6400 U	82000
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	790 U	810 U	780 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-G8-2110-2 TP-R-G8-2110-2(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-2 TP-R-G8-2110-2(8.0-8.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(0.5-1.0) 08/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(7.5-8.0) 08/18/06	AREA III A-LINE TP-R-G8-2110-4 TP-R-G8-2110-4(1.0-1.5) 08/18/06	AREA III A-LINE TP-R-G8-2110-4 TP-R-G8-2110-4(8.0-8.5) 08/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	NA	NA
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	NA	NA
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	NA	NA
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	NA	NA
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	NA	NA
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2100 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	130 J	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	100 J	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	250	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	150 J	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	360 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	190	210 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	49 J	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	570	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	NA	NA	NA
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	BERYLLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	CADMIUM	MG/KG	NS	39	100	NA	NA	NA
METALS	COPPER	MG/KG	NS	600	600	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	MERCURY	MG/KG	NS	14	270	NA	NA	NA
METALS	NICKEL	MG/KG	NS	250	2400	NA	NA	NA
METALS	SELENIUM	MG/KG	NS	63	3100	NA	NA	NA
METALS	SILVER	MG/KG	NS	110	4100	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
METALS	ZINC	MG/KG	NS	1500	1500	NA	NA	NA
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	320 U	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	320 U	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	320 U	380 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	690 U	640 U	750 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	320 U	380 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	120000 J	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6400 U	7500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	800 U	940 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	NA	NA

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(7.5-8.0) 08/18/06	AREA III A-LINE TP-R-G8-2110-4 TP-R-G8-2110-4(1.0-1.5) 08/18/06	AREA III A-LINE TP-R-G8-2110-4 TP-R-G8-2110-4(8.0-8.5) 08/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	NA	NA
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	NA	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-02 SB-R-H13-02(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-02 TP-R-H13-02(4.5-5.0) 08/01/06	AREA III AN SB-R-H13-03 SB-R-H13-03(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-03 SB-R-H13-03(4.0-4.5) 05/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3000 U	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	800 U	760 U	760 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	760 U	760 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	760 U	760 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	760 U	760 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	190 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2200 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	190 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	190 U	950	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	190 U	1100	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	63 J	190 U	1800	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	190 U	600	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	190 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	370 U	400 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	72 J	190 U	1400	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	190 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	190 U	210	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	190 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	190 U	740	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	190 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	190 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.35 J	0.989 J	1.63 J	2.13 UJ
METALS	ARSENIC	MG/KG	NS	20	20	11.5	2.66	11.1	2.19
METALS	BERYLLIUM	MG/KG	NS	2	2	0.440 J	0.318 J	0.543 J	0.530 J
METALS	CADMIUM	MG/KG	NS	39	100	0.227 J	0.545 U	0.443 J	0.116 J
METALS	COPPER	MG/KG	NS	600	600	23.0	17.8 J	42.4	12.5
METALS	LEAD	MG/KG	NS	400	600	126	6.68 J	87.2	2.06 J
METALS	MERCURY	MG/KG	NS	14	270	0.107 J	0.0325 J	0.182	0.105 U
METALS	NICKEL	MG/KG	NS	250	2400	7.52	7.33	12.9	6.39
METALS	SELENIUM	MG/KG	NS	63	3100	2.62 U	2.18 U	2.29 U	2.13 U
METALS	SILVER	MG/KG	NS	110	4100	0.655 U	0.545 U	0.572 U	0.532 U
METALS	THALLIUM	MG/KG	NS	2	2	2.62 U	2.18 U	2.29 U	2.13 U
METALS	ZINC	MG/KG	NS	1500	1500	38.8 J	26.7 J	141 J	37.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	400 U	330 UJ	360 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	400 U	330 UJ	360 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	400 U	330 UJ	360 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	400 U	670 UJ	360 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	400 U	330 UJ	360 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 UJ	130000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7900 U	6700 UJ	7100 U	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	990 U	830 UJ	890 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	20 U	19 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-02 SB-R-H13-02(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-02 TP-R-H13-02(4.5-5.0) 08/01/06	AREA III AN SB-R-H13-03 SB-R-H13-03(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-03 SB-R-H13-03(4.0-4.5) 05/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	20 U	19 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	19 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	19 U	20 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	19 U	37 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	19 U	37	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-04 SB-R-H13-04(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-04 SB-R-H13-04(4.0-4.5) 05/12/06	AREA III AN SB-R-I12-02 SB-R-I12-02(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-02 SB-R-I12-02(4.0-4.5) 05/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2800 U	2800 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	800 U	700 U	690 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	700 U	690 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	700 U	690 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	700 U	690 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2300 U	2300 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	120 J	190 U	600	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	130 J	190 U	610	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 J	190 U	870	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	76 J	190 U	380	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	380 U	580	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	150 J	190 U	730	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	120 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	93 J	190 U	440	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	100 J	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.43 UJ	1.33 J	1.15 J	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	9.31	2.10 J	6.81	2.02 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.597 J	0.696	0.567	0.474 J
METALS	CADMIUM	MG/KG	NS	39	100	0.292 J	0.555 U	0.361 J	0.556 U
METALS	COPPER	MG/KG	NS	600	600	12.2	13.3	31.3	7.73
METALS	LEAD	MG/KG	NS	400	600	83.5	2.77	89.8	2.59
METALS	MERCURY	MG/KG	NS	14	270	0.201	0.113 U	9.23	0.109 U
METALS	NICKEL	MG/KG	NS	250	2400	7.05	8.86	8.81	6.27
METALS	SELENIUM	MG/KG	NS	63	3100	2.43 U	2.22 U	2.21 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.608 U	0.555 U	0.581	0.556 U
METALS	THALLIUM	MG/KG	NS	2	2	2.43 U	1.19 J	2.21 U	2.22 U
METALS	ZINC	MG/KG	NS	1500	1500	104 J	53.3 J	111 J	36.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	340 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	340 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	340 U	340 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	340 U	340 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	340 U	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	140000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 U	6900 U	6800 U	6700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	860 U	840 U	840 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	96 U	19 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-04 SB-R-H13-04(0.5-1.0) 05/12/06	AREA III AN SB-R-H13-04 SB-R-H13-04(4.0-4.5) 05/12/06	AREA III AN SB-R-I12-02 SB-R-I12-02(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-02 SB-R-I12-02(4.0-4.5) 05/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	96 U	19 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	96 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	96 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	96 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	19 U	340	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	19 U	280	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	19 U	620	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I12-03 SB-R-I12-03(1.5-2.0) 05/15/06	AREA III AN SB-R-I12-03 SB-R-I12-03(4.5-5.0) 05/15/06	AREA III AN SB-R-I12-04 SB-R-I12-04(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-04 SB-R-I12-04(4.0-4.5) 05/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	2900 UJ	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	710 U	740 UJ	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	710 U	740 UJ	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	710 U	740 UJ	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	710 U	740 UJ	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	63 J	180 U	200 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	59 J	180 U	200 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	150 J	180 U	40 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	62 J	180 U	200 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	400 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	120 J	180 U	120 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	200 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	45 J	180 U	200 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	200 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.29 UJ	2.21 UJ	2.34 UJ	1.33 J
METALS	ARSENIC	MG/KG	NS	20	20	2.87	2.52	13.9	3.67
METALS	BERYLLIUM	MG/KG	NS	2	2	0.187 J	0.233 J	0.305 J	0.532 J
METALS	CADMIUM	MG/KG	NS	39	100	0.154 J	0.553 U	0.586 U	0.575 U
METALS	COPPER	MG/KG	NS	600	600	33.4	10.0	15.4	17.8
METALS	LEAD	MG/KG	NS	400	600	30.9	14.7	182	21.3
METALS	MERCURY	MG/KG	NS	14	270	0.151	0.108 U	0.283	0.116 U
METALS	NICKEL	MG/KG	NS	250	2400	6.00	6.71	9.26	9.62
METALS	SELENIUM	MG/KG	NS	63	3100	2.29 U	2.21 U	2.34 U	2.30 U
METALS	SILVER	MG/KG	NS	110	4100	0.573 U	0.553 U	0.586 U	0.575 U
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U	1.09 J	1.28 J	2.30 U
METALS	ZINC	MG/KG	NS	1500	1500	67.3 J	26.6 J	19.3 J	58.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	360 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	360 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	360 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	330 U	360 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	330 U	360 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6600 U	7200 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	830 U	900 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	98 U	19 U	20 U	20 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I12-03 SB-R-I12-03(1.5-2.0) 05/15/06	AREA III AN SB-R-I12-03 SB-R-I12-03(4.5-5.0) 05/15/06	AREA III AN SB-R-I12-04 SB-R-I12-04(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-04 SB-R-I12-04(4.0-4.5) 05/15/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	98 U	19 U	20 U	20 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	98 U	19 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	98 U	19 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	98 U	19 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	480	19 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	210	19 U	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	690	19 U	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I13-01 SB-R-I13-01(0.5-1.0) 05/12/06	AREA III AN SB-R-I13-01 SB-R-I13-01(4.0-4.5) 05/12/06	AREA III AN SB-R-I13-02 SB-R-I13-02(0.5-1.0) 05/12/06	AREA III AN SB-R-I13-02 TP-R-I13-02(7.5-8.0) 08/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2600 U	3300 U	2500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	650 U	820 U	610 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	650 U	820 U	610 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	650 U	820 U	610 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	650 U	820 U	610 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	210 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2100 U	2500 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	14600	180 U	210 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	260	180 U	91 J	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 J	180 U	83 J	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	850	180 U	180 J	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	370	180 U	68 J	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	210 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	350 U	410 U	340 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	710	180 U	150 J	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	210 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	91 J	180 U	210 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	210 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220	180 U	73 J	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	210 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	150 J	180 U	210 U	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	3.53 J	2.07 UJ	1.20 J	2.01 UJ
METALS	ARSENIC	MG/KG	NS	20	20	104	1.42 J	6.76	2.01 UJ
METALS	BERYLLIUM	MG/KG	NS	2	2	0.446 J	0.145 J	0.178 J	0.501 U
METALS	CADMIUM	MG/KG	NS	39	100	0.181 J	0.517 U	0.613 U	0.501 UJ
METALS	COPPER	MG/KG	NS	600	600	101	2.89	31.1	0.550 J
METALS	LEAD	MG/KG	NS	400	600	1310	3.25	95.4	3.94 J
METALS	MERCURY	MG/KG	NS	14	270	1.65	0.103 U	0.372	0.102 U
METALS	NICKEL	MG/KG	NS	250	2400	9.61	2.36	5.96	1.00 UJ
METALS	SELENIUM	MG/KG	NS	63	3100	2.40 U	2.07 U	2.45 U	2.01 U
METALS	SILVER	MG/KG	NS	110	4100	0.338 J	0.517 U	0.613 U	0.501 U
METALS	THALLIUM	MG/KG	NS	2	2	2.40 U	2.07 U	2.45 U	2.01 U
METALS	ZINC	MG/KG	NS	1500	1500	108 J	11.7 J	34.7 J	1.25 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	320 U	370 U	310 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	910 J	320 U	370 U	3800
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	320 U	370 U	310 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	320 U	370 U	620 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	320 U	370 U	310 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	110000 J	130000 UJ	150000 UJ	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	11000 J	6400 U	7400 U	6200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	800 U	930 U	770 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U	210 U	18 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I13-01 SB-R-I13-01(0.5-1.0) 05/12/06	AREA III AN SB-R-I13-01 SB-R-I13-01(4.0-4.5) 05/12/06	AREA III AN SB-R-I13-02 SB-R-I13-02(0.5-1.0) 05/12/06	AREA III AN SB-R-I13-02 TP-R-I13-02(7.5-8.0) 08/25/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U	210 U	18 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U	210 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U	210 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U	210 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U	210 U	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	18 U	870	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18 U	870	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(11.5-12.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(6.5-7.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	2600 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	210 J	650 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	800 U	650 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	800 U	650 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	800 U	650 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	2200 U	180 U	2100 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	26000 U	2100 U	25000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	19000	180 U	82000 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	2200 U	180 U	2100 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	2200 U	180 U	2100 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	2200 U	180 U	810 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	2200 U	180 U	2100 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	2200 U	180 U	2100 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	4400 U	350 U	4200 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	2200 U	180 U	2100 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	2200 U	180 U	2100 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	2200 U	180 U	2100 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	2200 U	180 U	2100 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	2200 U	180 U	2100 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	2200 U	180 U	2100 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	1300 J	180 U	8000
METALS	ANTIMONY	MG/KG	NS	14	340	34.0 J	2.08 UJ	14.9 J
METALS	ARSENIC	MG/KG	NS	20	20	25.2	1.49 J	16.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.508 J	0.199 J	0.393 J
METALS	CADMIUM	MG/KG	NS	39	100	16.4	0.520 U	7.74
METALS	COPPER	MG/KG	NS	600	600	4900 J	2.86 J	2940 J
METALS	LEAD	MG/KG	NS	400	600	26300	2.03	19900
METALS	MERCURY	MG/KG	NS	14	270	100 J	0.0585 J	51.9 J
METALS	NICKEL	MG/KG	NS	250	2400	43.2	2.24	48.5
METALS	SELENIUM	MG/KG	NS	63	3100	2.57 U	2.08 U	2.46 U
METALS	SILVER	MG/KG	NS	110	4100	5.54	0.520 U	3.51
METALS	THALLIUM	MG/KG	NS	2	2	2.57 U	2.08 U	2.46 U
METALS	ZINC	MG/KG	NS	1500	1500	11400 J	16.2 J	6340 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 UJ	320 UJ	380 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	6600 J	320 UJ	360000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	3900 J	320 UJ	13000 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	5000 J	640 UJ	12000 J
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 UJ	320 UJ	380 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	11000000	130000 U	8700000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	150000 J	6400 UJ	190000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 UJ	800 UJ	950 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	18 U	22 U

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			Remedial Area Former Operational Area			AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(1.5-2.0)	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(11.5-12.0)	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(6.5-7.0)
			Location ID Field Sample ID Sample Date			08/01/06	08/01/06	08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	18 U	22 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	18 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	18 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	18 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	18 U	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	18 U	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	18 U	22 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area			AREA III AN TP-R-H12-237/H13-1-2 TP-R-H12-237/H13-7/H13-1-2(1.5-2.0)	AREA III AN TP-R-H12-237/H13-1-2 TP-R-H12-237/H13-7/H13-1-2(10.5-11.0)	AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(1.5-2.0)
			Location ID Field Sample ID Sample Date			08/01/06	08/01/06	08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 UJ	2600 U	3500 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	730 UJ	650 U	880 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	730 UJ	650 U	880 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	730 UJ	650 U	880 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	730 UJ	650 U	880 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	170 U	240 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2100 U	2900 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1300	170 U	240 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	520	170 U	190 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	430	170 U	180 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	750	170 U	380
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	290	170 U	100 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	170 U	240 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	350 U	480 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	790	170 U	430
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	170 U	240 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	140 J	170 U	71 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	170 U	240 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	330	170 U	150 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	170 U	240 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 J	170 U	120 J
METALS	ANTIMONY	MG/KG	NS	14	340	3.44 J	0.973 J	1.83 J
METALS	ARSENIC	MG/KG	NS	20	20	33.2	2.40	21.6
METALS	BERYLLIUM	MG/KG	NS	2	2	1.26	0.583	0.628 J
METALS	CADMIUM	MG/KG	NS	39	100	1.19	0.516 U	1.19
METALS	COPPER	MG/KG	NS	600	600	556 J	29.6 J	289 J
METALS	LEAD	MG/KG	NS	400	600	1150	3.32	375
METALS	MERCURY	MG/KG	NS	14	270	3.36 J	0.0999 U	0.647 J
METALS	NICKEL	MG/KG	NS	250	2400	58.0	7.33	24.6
METALS	SELENIUM	MG/KG	NS	63	3100	1.92 J	2.06 U	2.27 J
METALS	SILVER	MG/KG	NS	110	4100	0.510 J	0.516 U	0.262 J
METALS	THALLIUM	MG/KG	NS	2	2	2.42 U	2.06 U	2.82 U
METALS	ZINC	MG/KG	NS	1500	1500	2050 J	172 J	5750 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 J	310 UJ	430 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	310 UJ	430 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	310 UJ	430 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	730 UJ	630 UJ	860 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	310 UJ	430 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000	130000 U	170000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	5200 J	6300 UJ	8600 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 UJ	780 UJ	1100 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	18 U	24 U

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			Remedial Area Former Operational Area			AREA III AN	AREA III AN	AREA III AN
			Location ID			TP-R-H12-237/H13-1-2	TP-R-H12-237/H13-1-2	TP-R-H12-237/H13-1-3
			Field Sample ID			TP-R-H12-237/H13-7/H13-1-2(1.5-2.0)	TP-R-H12-237/H13-7/H13-1-2(10.5-11.0)	TP-R-H12-237/H13-7/H13-1-3(1.5-2.0)
			Sample Date			08/01/06	08/01/06	08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	18 U	24 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	18 U	24 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	18 U	24 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	18 U	24 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	4.9 J	18 U	24 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	6.8 J	18 U	24 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	11.7 J	18 U	24 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(9.5-10.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(6.5-7.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2100 U	3200 U	3200 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	530 U	110 J	800 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	530 U	790 U	800 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	530 U	790 U	800 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	530 U	790 U	800 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	22000 UJ	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	260000 UJ	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	67000 J	220
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	22000 UJ	220 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	22000 UJ	220 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	22000 UJ	490 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	22000 UJ	130 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	22000 UJ	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	43000 UJ	440 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	22000 UJ	220 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	22000 UJ	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	22000 UJ	220 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	22000 UJ	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	22000 UJ	220 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	22000 UJ	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	170000 J	81 J
METALS	ANTIMONY	MG/KG	NS	14	340	1.17 J	14.8 J	4.92 J
METALS	ARSENIC	MG/KG	NS	20	20	9.03	26.4	11.6
METALS	BERYLLIUM	MG/KG	NS	2	2	0.562	0.357 J	0.260 J
METALS	CADMIUM	MG/KG	NS	39	100	0.385 J	8.93	4.91
METALS	COPPER	MG/KG	NS	600	600	242 J	1010 J	450 J
METALS	LEAD	MG/KG	NS	400	600	666	29400	6950
METALS	MERCURY	MG/KG	NS	14	270	0.165 J	39.3 J	36.0 J
METALS	NICKEL	MG/KG	NS	250	2400	10.5	21.3	13.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 U	12.7 U	2.59 U
METALS	SILVER	MG/KG	NS	110	4100	0.547 U	3.22	0.685
METALS	THALLIUM	MG/KG	NS	2	2	2.19 U	2.53 U	2.59 U
METALS	ZINC	MG/KG	NS	1500	1500	370 J	3680 J	3840 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	160 J	400 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	1500 J	400 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	390 UJ	400 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	680 UJ	510 J	790 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	390 UJ	400 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	25000000	6400000
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6800 UJ	1400000 J	48000 J
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	850 UJ	970 UJ	990 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	22 U	22 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(9.5-10.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(6.5-7.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	22 U	22 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	22 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	22 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	22 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	93	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	14 J	20 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	107 J	20 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(9.5-10.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(12.5-13.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2500 U	3300 U	2700 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	640 U	180 J	680 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	640 U	820 UJ	680 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	640 U	820 UJ	680 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	640 U	820 UJ	680 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	1100 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	13000 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	15000	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	1100 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	1100 UJ	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	1000 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	390 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	1100 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	2200 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	1100 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	1100 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	1100 UJ	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	1100 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	1100 UJ	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	1100 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	2700	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 UJ	101 J	2.16 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.86 J	23.3	2.46
METALS	BERYLLIUM	MG/KG	NS	2	2	0.276 J	0.466 J	0.294 J
METALS	CADMIUM	MG/KG	NS	39	100	0.533 U	15.2	0.539 U
METALS	COPPER	MG/KG	NS	600	600	11.0 J	2610	13.1
METALS	LEAD	MG/KG	NS	400	600	73.2	27500	47.9
METALS	MERCURY	MG/KG	NS	14	270	0.636 J	59.7	0.0419 J
METALS	NICKEL	MG/KG	NS	250	2400	4.11	121	6.08
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	13.2 U	2.16 U
METALS	SILVER	MG/KG	NS	110	4100	0.533 U	21.0	0.539 U
METALS	THALLIUM	MG/KG	NS	2	2	2.13 U	2.64 U	2.16 U
METALS	ZINC	MG/KG	NS	1500	1500	54.6 J	6390	77.9
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 UJ	1900 J	330 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 UJ	14000 J	330 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 UJ	3400 J	330 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 UJ	2000 J	670 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 UJ	400 UJ	330 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	8700000 J	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	44000 J	6700 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 UJ	1000 UJ	830 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	23 U	19 U

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			Remedial Area Former Operational Area			AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(9.5-10.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(12.5-13.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	23 U	19 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	23 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	23 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	23 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	23 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	23 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	23 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(6.5-7.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(11.5-12.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	3600 UJ	2600 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	890 UJ	660 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	890 UJ	660 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	890 UJ	660 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	890 UJ	660 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	220 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2700 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	350	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	45 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	220 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	76 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	220 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	220 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	450 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	80 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	220 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	220 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	220 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	220 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	220 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	220 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.30 UJ	32.6 J	2.34 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.45	20.8	2.72
METALS	BERYLLIUM	MG/KG	NS	2	2	0.399 J	0.592 J	0.558 J
METALS	CADMIUM	MG/KG	NS	39	100	0.576 U	31.6	0.584 U
METALS	COPPER	MG/KG	NS	600	600	9.85	58400 J	11.5 J
METALS	LEAD	MG/KG	NS	400	600	23.8	5270	6.79
METALS	MERCURY	MG/KG	NS	14	270	0.0763 J	1.58 J	0.110 U
METALS	NICKEL	MG/KG	NS	250	2400	11.4	36.2	9.67
METALS	SELENIUM	MG/KG	NS	63	3100	2.30 U	13.1 U	2.34 U
METALS	SILVER	MG/KG	NS	110	4100	0.576 U	3.72	0.584 U
METALS	THALLIUM	MG/KG	NS	2	2	2.30 U	2.61 U	2.34 U
METALS	ZINC	MG/KG	NS	1500	1500	70.8	26400 J	45.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	400 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	400 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	400 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 UJ	810 UJ	700 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	400 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	160000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 UJ	8100 UJ	7000 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	1000 UJ	880 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	23 U	20 U

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			Remedial Area Former Operational Area			AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(6.5-7.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(11.5-12.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	23 U	20 U
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	23 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	23 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	23 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	23 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	21 J	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	21 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO SB-R-H8-01 SB-R-H8-01(0.5-1.0) 05/10/06	AREA III DIAZO SB-R-H8-01 SB-R-H8-01(2.0-2.5) 05/10/06	AREA III DIAZO SB-R-H8-03 SB-R-H8-03(0.75-1.25) 05/11/06	AREA III DIAZO SB-R-H8-03 SB-R-H8-03(3.0-3.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3100 U	3100 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	770 U	760 U	690 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	770 U	760 U	690 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	770 U	760 U	690 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	770 U	760 U	690 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2400 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	54 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	54 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	81 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	390 U	390 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	61 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.37 J	1.19 J	2.36 UJ	2.16 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.45 J	3.91 J	5.02	1.42 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.740	0.872	0.814	0.816
METALS	CADMIUM	MG/KG	NS	39	100	0.103 J	0.579 U	1.30	1.14
METALS	COPPER	MG/KG	NS	600	600	16.9 J	15.8 J	15.6 J	16.2 J
METALS	LEAD	MG/KG	NS	400	600	31.0 J	5.17 J	34.2	3.66
METALS	MERCURY	MG/KG	NS	14	270	0.245	0.0186 J	8.08	0.107 U
METALS	NICKEL	MG/KG	NS	250	2400	10.9 J	10.5 J	8.48 J	11.7 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 UJ	2.32 UJ	2.36 U	1.09 J
METALS	SILVER	MG/KG	NS	110	4100	0.546 U	0.579 U	0.766	0.385 J
METALS	THALLIUM	MG/KG	NS	2	2	1.74 J	1.80 J	2.36 U	2.16 U
METALS	ZINC	MG/KG	NS	1500	1500	63.9 J	43.4 J	79.6 J	62.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	350 U	350 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	350 U	350 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	350 U	350 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	350 U	350 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	350 U	350 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	140000 U	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	7000 U	7100 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	880 U	890 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	20 U	19 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO SB-R-H8-01 SB-R-H8-01(0.5-1.0) 05/10/06	AREA III DIAZO SB-R-H8-01 SB-R-H8-01(2.0-2.5) 05/10/06	AREA III DIAZO SB-R-H8-03 SB-R-H8-03(0.75-1.25) 05/11/06	AREA III DIAZO SB-R-H8-03 SB-R-H8-03(3.0-3.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	20 U	20 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	20 U	20 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	20 U	20 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	43	20 U	170	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	16 J	20 U	20 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	59 J	20 U	170	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE G10-8204-06 TP-R-G10-8204-06(6.0-6.5) 08/10/06	AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(2.0-2.5) 05/05/06	AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(1.75-2.25) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3200 U	3200 U	3700 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	810 U	800 U	940 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	810 U	800 U	940 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	810 U	800 U	940 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	810 U	800 U	940 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	210 U	200 U	230 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2500 U	2400 U	2700 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	210 U	200 U	230 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	810	200 U	530
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	720	200 U	750
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	1500	200 U	980
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	560	200 U	430
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	210 U	200 U	230 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	420 U	410 U	460 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	800	200 U	720
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	210 U	200 U	230 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	120 J	200 U	190 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	130 J	200 U	230 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	380	200 U	650
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	210 U	200 U	230 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	86 J	200 U	230 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.40 J	2.51 UJ	2.40 UJ	1.78 J
METALS	ARSENIC	MG/KG	NS	20	20	3.25	79.6	3.50	9.94
METALS	BERYLLIUM	MG/KG	NS	2	2	0.831	0.322 J	0.889	0.636 J
METALS	CADMIUM	MG/KG	NS	39	100	0.605 U	0.785	1.17	0.605 J
METALS	COPPER	MG/KG	NS	600	600	17.2 J	33.7	14.3	96.3
METALS	LEAD	MG/KG	NS	400	600	4.59	70.6	7.27	1080
METALS	MERCURY	MG/KG	NS	14	270	0.121 U	0.415	0.0270 J	0.529
METALS	NICKEL	MG/KG	NS	250	2400	10.6	9.31	10.9	15.9
METALS	SELENIUM	MG/KG	NS	63	3100	2.42 U	1.81 J	1.91 J	2.68 U
METALS	SILVER	MG/KG	NS	110	4100	0.605 U	0.255 J	0.260 J	0.670 U
METALS	THALLIUM	MG/KG	NS	2	2	1.71 J	2.51 U	2.40 U	2.68 U
METALS	ZINC	MG/KG	NS	1500	1500	55.0 J	44.2 J	71.3 J	274
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	380 U	370 U	410 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	380 U	370 U	410 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	380 U	370 U	410 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	380 U	370 U	410 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	380 U	370 U	410 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	150000 U	150000 U	160000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	7600 U	7300 U	8200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	950 U	920 U	1000 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	22 U	21 U	120 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	22 U	21 U	120 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE G10-8204-06 TP-R-G10-8204-06(6.0-6.5) 08/10/06	AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(2.0-2.5) 05/05/06	AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(1.75-2.25) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	22 U	21 U	120 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	22 U	21 U	120 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	22 U	21 U	980
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	22 U	21 U	120 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	35 J	21 U	910
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	35	21 U	1890

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(5.0-5.5) 05/08/06	AREA III MAINTENANCE SB-R-F11-03 SB-R-F11-03(0.5-1.0) 05/08/06	AREA III MAINTENANCE SB-R-F11-03 SB-R-F11-03(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(0.5-1.0) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	3100 U	3000 U	3300 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	690 U	780 U	750 U	830 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	690 U	780 U	750 U	830 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	690 U	780 U	750 U	830 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	690 U	780 U	750 U	830 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	960 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2300 U	2200 U	12000 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	960 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	220	190 U	220 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	210	190 U	230 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	350	190 U	470 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	130 J	190 U	960 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	960 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	380 U	370 U	1900 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	330	190 U	350 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	960 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	960 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	960 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	150 J	190 U	960 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	960 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	960 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.994 J	0.984 J	2.25 UJ	1.35 J
METALS	ARSENIC	MG/KG	NS	20	20	3.26	6.98	1.79 J	13.7
METALS	BERYLLIUM	MG/KG	NS	2	2	0.719	0.532 J	0.489 J	0.397 J
METALS	CADMIUM	MG/KG	NS	39	100	0.212 J	0.139 J	0.242 J	0.988
METALS	COPPER	MG/KG	NS	600	600	14.3	45.8	17.4	39.0 J
METALS	LEAD	MG/KG	NS	400	600	5.66	133	2.21 J	133 J
METALS	MERCURY	MG/KG	NS	14	270	0.111 U	0.216	0.0065 J	6.66 J
METALS	NICKEL	MG/KG	NS	250	2400	10.7	11.8	7.18	29.9
METALS	SELENIUM	MG/KG	NS	63	3100	2.18 U	1.28 J	2.25 U	2.39
METALS	SILVER	MG/KG	NS	110	4100	0.545 U	0.552 U	0.562 U	0.577 U
METALS	THALLIUM	MG/KG	NS	2	2	2.18 U	2.21 U	2.25 U	1.47 J
METALS	ZINC	MG/KG	NS	1500	1500	59.9	75.4	47.4	106 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	340 UJ	340 UJ	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	340 UJ	340 UJ	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	340 UJ	340 UJ	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 UJ	340 UJ	340 UJ	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	340 UJ	340 UJ	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	130000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	6800 UJ	6700 UJ	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	850 UJ	840 UJ	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	19 U	200 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	19 U	200 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(5.0-5.5) 05/08/06	AREA III MAINTENANCE SB-R-F11-03 SB-R-F11-03(0.5-1.0) 05/08/06	AREA III MAINTENANCE SB-R-F11-03 SB-R-F11-03(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(0.5-1.0) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	19 U	200 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	19 U	200 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	19 U	200 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	19 U	220
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	19 U	380
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	19 U	600

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(2.0-2.5) 05/04/06	AREA III MAINTENANCE SB-R-G10-01 TP-R-G10-01(6.0-6.5) 08/01/06	AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(1.0-1.5) 05/08/06	AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(4.0-4.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	NA	2800 U	3300 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	NA	700 U	830 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	NA	700 U	830 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	NA	700 U	830 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	NA	700 U	830 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	NA	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	NA	2400 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	NA	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	NA	220	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	NA	280 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	NA	530 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	NA	160 J	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	NA	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	NA	400 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	NA	470	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	NA	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	NA	160 J	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	NA	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	NA	220 J	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	NA	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	NA	200 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.37 UJ	1.18 J	2.06 J	1.17 J
METALS	ARSENIC	MG/KG	NS	20	20	3.39	1.52 J	22.1	4.53
METALS	BERYLLIUM	MG/KG	NS	2	2	0.703	0.652	0.706	0.884
METALS	CADMIUM	MG/KG	NS	39	100	0.998	0.541 U	0.194 J	0.290 J
METALS	COPPER	MG/KG	NS	600	600	18.0 J	17.6 J	113	26.3
METALS	LEAD	MG/KG	NS	400	600	22.2 J	2.75 J	519	7.86
METALS	MERCURY	MG/KG	NS	14	270	0.0310 J	0.105 U	1.27	0.0220 J
METALS	NICKEL	MG/KG	NS	250	2400	11.3	6.83	11.1	10.5
METALS	SELENIUM	MG/KG	NS	63	3100	2.37 U	2.16 U	1.86 J	2.33 U
METALS	SILVER	MG/KG	NS	110	4100	0.305 J	0.541 U	0.602 U	0.581 U
METALS	THALLIUM	MG/KG	NS	2	2	2.12 J	2.16 U	2.41 U	1.29 J
METALS	ZINC	MG/KG	NS	1500	1500	176 J	57.5 J	202	108
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	NA	220 J	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	NA	360 UJ	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	NA	360 UJ	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	NA	360 UJ	360 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	NA	360 UJ	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	NA	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	NA	7200 UJ	7100 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 U	NA	900 UJ	890 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	NA	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	NA	20 U	20 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(2.0-2.5) 05/04/06	AREA III MAINTENANCE SB-R-G10-01 TP-R-G10-01(6.0-6.5) 08/01/06	AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(1.0-1.5) 05/08/06	AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(4.0-4.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	NA	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	NA	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	NA	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	NA	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	NA	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	NA	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(0.75-1.25) 05/08/06	AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(4.5-5.0) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 UJ	2700 U	3200 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	760 UJ	670 U	810 U	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	760 UJ	670 U	810 U	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	760 UJ	670 U	810 U	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	760 UJ	670 U	810 U	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	190 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 J	190 U	3400	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	140 J	190 U	1800	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220	190 U	4100	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	110 J	190 U	1600	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	370 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 J	190 U	3700	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	320	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	110 J	190 U	780	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	190 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.59 J	1.75 J	2.18 UJ	2.19 UJ
METALS	ARSENIC	MG/KG	NS	20	20	12.1	2.70	45.3	1.55 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.604	0.707	0.557	0.482 J
METALS	CADMIUM	MG/KG	NS	39	100	1.07	0.387 J	0.739	0.893
METALS	COPPER	MG/KG	NS	600	600	106	16.2	35.2	14.9
METALS	LEAD	MG/KG	NS	400	600	523	10.7	54.0	4.62
METALS	MERCURY	MG/KG	NS	14	270	0.861	0.0195 J	0.348	0.102 U
METALS	NICKEL	MG/KG	NS	250	2400	18.3	8.87	16.6	8.66
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 U	2.24 U	1.83 J	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.578 U	0.559 U	0.225 J	0.250 J
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.24 U	2.18 U	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	545	106	26.3 J	54.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	340 UJ	340 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	340 UJ	340 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	340 UJ	340 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 UJ	340 UJ	340 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	340 UJ	340 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 U	130000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 UJ	6800 UJ	6700 U	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 UJ	850 UJ	840 U	820 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	96 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	96 U	19 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(0.75-1.25) 05/08/06	AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(4.0-4.5) 05/08/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(4.5-5.0) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	96 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	96 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	96 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	290 J	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	350 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	640	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(2.5-3.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(5.0-5.5) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3300 U	3300 U	3100 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	830 U	820 U	760 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	830 U	820 U	760 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	830 U	820 U	760 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	830 U	820 U	760 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	200 U	53 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	200 U	43 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	200 U	73 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	210 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	390 U	410 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	44 J	200 U	77 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	210 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	210 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.31 UJ	2.31 UJ	2.42 UJ	2.26 UJ
METALS	ARSENIC	MG/KG	NS	20	20	43.0	3.81	59.6	1.59 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.399 J	0.630	0.633	0.894
METALS	CADMIUM	MG/KG	NS	39	100	0.986	1.09	0.724	0.936
METALS	COPPER	MG/KG	NS	600	600	13.3	20.2	22.7	16.7
METALS	LEAD	MG/KG	NS	400	600	13.1	4.65	43.7	3.96
METALS	MERCURY	MG/KG	NS	14	270	0.143	0.0138 J	1.04	0.111 U
METALS	NICKEL	MG/KG	NS	250	2400	6.38	15.9	8.23	10.5
METALS	SELENIUM	MG/KG	NS	63	3100	5.43	2.07 J	1.61 J	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.363 J	0.391 J	0.296 J	0.432 J
METALS	THALLIUM	MG/KG	NS	2	2	2.31 U	2.31 U	2.42 U	2.26 U
METALS	ZINC	MG/KG	NS	1500	1500	93.8 J	62.4 J	45.7 J	54.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	370 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	370 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	370 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	350 U	370 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	350 U	370 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	150000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	7100 U	7400 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	890 U	920 U	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	21 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	21 U	20 U

Table B4-3

Soil - Analytical Results - Area III
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(2.5-3.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(5.0-5.5) 05/05/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	20 U	20 U	21 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	20 U	20 U	21 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	20 U	20 U	21 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	20 U	20 U	21 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	20 U	20 U	21 U	20 U
PCBS	TOTAL PCBS		UG/KG	50000	490	2000	20 U	20 U	21 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G11-04 SB-R-G11-04(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-04 SB-R-G11-04(5.0-5.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-01 SB-R-G12-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-01 SB-R-G12-01(5.5-6.0) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3400 UJ	2800 UJ	3000 UJ	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	860 UJ	710 UJ	750 UJ	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	860 UJ	710 UJ	750 UJ	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	860 UJ	710 UJ	750 UJ	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	860 UJ	710 UJ	750 UJ	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	180 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	180 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	220 U	180 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	220 U	180 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 U	180 U	110 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	220 U	180 U	41 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	180 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	370 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 U	180 U	140 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	180 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	220 U	180 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	180 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	220 U	180 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	180 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	180 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.57 UJ	2.12 UJ	2.17 UJ	2.28 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.71 J	1.83 J	14.2	1.45 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.804	0.561	0.193 J	0.595
METALS	CADMIUM	MG/KG	NS	39	100	0.766	0.628	0.232 J	0.820
METALS	COPPER	MG/KG	NS	600	600	11.8	11.6	17.9	13.7
METALS	LEAD	MG/KG	NS	400	600	28.8	3.25	28.1	3.73
METALS	MERCURY	MG/KG	NS	14	270	0.0530 J	0.0038 J	0.0797 J	0.113 U
METALS	NICKEL	MG/KG	NS	250	2400	10.7	8.04	6.01	7.93
METALS	SELENIUM	MG/KG	NS	63	3100	1.35 J	2.12 U	2.17 U	2.28 U
METALS	SILVER	MG/KG	NS	110	4100	0.643 U	0.218 J	0.541 U	0.347 J
METALS	THALLIUM	MG/KG	NS	2	2	2.57 U	2.12 U	2.17 U	2.28 U
METALS	ZINC	MG/KG	NS	1500	1500	60.2 J	50.4 J	10.1 J	51.1 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	330 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	330 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	330 U	340 UJ	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	330 U	340 UJ	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	330 U	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	130000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7900 U	6600 U	6800 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	980 U	830 U	840 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	19 U	19 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G11-04 SB-R-G11-04(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-04 SB-R-G11-04(5.0-5.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-01 SB-R-G12-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-01 SB-R-G12-01(5.5-6.0) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	19 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	19 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	22 U	19 U	35 J	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	22 U	19 U	35	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G12-02 SB-R-G12-02(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-02 SB-R-G12-02(6.0-6.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(5.0-5.5) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3700 U	3000 U	3000 UJ	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	920 U	750 U	760 UJ	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	920 U	750 U	760 UJ	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	920 U	750 U	760 UJ	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	920 U	750 U	760 UJ	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	230 U	200 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2800 U	2400 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	230 U	200 U	69 J	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	230 U	200 U	200 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	230 U	200 U	200 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	230 U	200 U	65 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	230 U	200 U	200 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	230 U	200 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	460 U	400 U	400 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	230 U	200 U	100 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	230 U	200 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	230 U	200 U	200 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	230 U	200 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	230 U	200 U	200 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	230 U	200 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	230 U	200 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.67 UJ	2.29 UJ	2.32 UJ	2.31 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.14 J	1.52 J	10.3	0.932 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.533 J	0.723	0.323 J	0.597
METALS	CADMIUM	MG/KG	NS	39	100	0.548 J	0.748	0.351 J	0.706
METALS	COPPER	MG/KG	NS	600	600	6.44	12.9	49.7	14.8
METALS	LEAD	MG/KG	NS	400	600	6.69	4.29	132	3.21
METALS	MERCURY	MG/KG	NS	14	270	0.0338 J	0.118 U	0.198	0.108 U
METALS	NICKEL	MG/KG	NS	250	2400	8.57	8.25	8.05	7.11
METALS	SELENIUM	MG/KG	NS	63	3100	2.67 U	2.29 U	3.01	2.31 U
METALS	SILVER	MG/KG	NS	110	4100	0.668 U	0.282 J	0.579 U	0.222 J
METALS	THALLIUM	MG/KG	NS	2	2	2.67 U	2.29 U	2.32 U	2.31 U
METALS	ZINC	MG/KG	NS	1500	1500	52.8 J	50.5 J	15.9 J	47.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	410 U	360 U	360 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	410 U	360 U	360 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	410 U	360 U	360 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	410 U	360 U	360 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	410 U	360 U	360 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	170000 UJ	140000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8300 U	7100 U	7200 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 U	890 U	900 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G12-02 SB-R-G12-02(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-02 SB-R-G12-02(6.0-6.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(5.0-5.5) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	23 U	20 U	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G9-03 SB-R-G9-03(0.5-1.0) 05/10/06	AREA III MAINTENANCE SB-R-G9-03 SB-R-G9-03(5.0-5.5) 05/10/06	AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(2.0-2.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	750 U	720 U	760 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	750 U	720 U	760 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	750 U	720 U	760 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	750 U	720 U	760 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	52 J	190 U	45 J	61 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	380 U	380 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	80 J	190 U	110 J	57 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.07 J	2.24 UJ	2.24 UJ	1.75 J
METALS	ARSENIC	MG/KG	NS	20	20	9.33 J	1.65 J	15.3	4.97
METALS	BERYLLIUM	MG/KG	NS	2	2	0.528 J	0.815	0.992	0.932
METALS	CADMIUM	MG/KG	NS	39	100	0.114 J	0.105 J	1.15	0.907
METALS	COPPER	MG/KG	NS	600	600	24.5 J	16.3 J	39.1 J	25.1 J
METALS	LEAD	MG/KG	NS	400	600	63.4 J	2.72 J	104 J	93.8 J
METALS	MERCURY	MG/KG	NS	14	270	0.101 J	0.110 U	0.122 J	4.12 J
METALS	NICKEL	MG/KG	NS	250	2400	10.6 J	6.30 J	16.1	12.1
METALS	SELENIUM	MG/KG	NS	63	3100	2.31 UJ	2.24 UJ	1.50 J	2.34 U
METALS	SILVER	MG/KG	NS	110	4100	0.577 U	0.560 U	0.303 J	0.430 J
METALS	THALLIUM	MG/KG	NS	2	2	1.70 J	1.29 J	2.24 U	2.61
METALS	ZINC	MG/KG	NS	1500	1500	63.9 J	45.5 J	60.2 J	101 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	340 U	340 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	340 U	340 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	340 U	340 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	340 U	340 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	340 U	340 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	110000 J	140000 U	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 U	6800 U	6900 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	850 U	860 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G9-03 SB-R-G9-03(0.5-1.0) 05/10/06	AREA III MAINTENANCE SB-R-G9-03 SB-R-G9-03(5.0-5.5) 05/10/06	AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(2.0-2.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	110	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	35	87
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	145	87

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-01 TP-R-H10-01(6.0-6.5) 08/01/06	AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(0.5-1.0) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	2700 U	3000 U	2700 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	690 U	740 U	670 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	690 U	740 U	670 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	690 U	740 U	670 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	690 U	740 U	670 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	180 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	270	190 U	610
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	120 J	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	160 J	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	320	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	140 J	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	180 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	360 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	230	190 U	55 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	180 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	50 J	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	180 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	140 J	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	180 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	180 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.08 UJ	2.14 UJ	2.26 UJ	2.26 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.02 J	11.3	2.26 U	11.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.267 J	0.584	0.296 J	0.464 J
METALS	CADMIUM	MG/KG	NS	39	100	0.520 U	0.862	0.684	0.165 J
METALS	COPPER	MG/KG	NS	600	600	9.71 J	27.6 J	8.92	68.0
METALS	LEAD	MG/KG	NS	400	600	3.79 J	562 J	70.7	4060
METALS	MERCURY	MG/KG	NS	14	270	0.0131 J	0.116 J	0.107 U	0.188
METALS	NICKEL	MG/KG	NS	250	2400	4.61	10.6	4.54	16.8
METALS	SELENIUM	MG/KG	NS	63	3100	2.08 U	2.14 U	2.26 U	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.520 U	0.303 J	0.566 U	0.324 J
METALS	THALLIUM	MG/KG	NS	2	2	2.08 U	1.72 J	2.26 U	2.26 U
METALS	ZINC	MG/KG	NS	1500	1500	26.2 J	127 J	56.3 J	1330 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	330 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	330 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	330 U	340 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	330 U	340 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	330 U	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	130000 UJ	130000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	6300 J	6800 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	820 U	850 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	19 U	19 U	19 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-01 TP-R-H10-01(6.0-6.5) 08/01/06	AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(0.5-1.0) 05/09/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	NA	19 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	NA	190	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	NA	110	19 U	19 U
PCBS	TOTAL PCBS		UG/KG	50000	490	2000	NA	300	19 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCs = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(2.5-3.0) 05/09/06	AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(1.0-1.5) 05/09/06	AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(5.0-5.5) 05/09/06	AREA III MAINTENANCE SB-R-H11-01 SB-R-H11-01(1.0-1.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	3300 U	2700 U	2400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	810 U	680 U	610 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	810 U	680 U	610 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	810 U	680 U	610 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	810 U	680 U	610 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2300 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	660	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	54 J	180 U	190 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	44 J	180 U	270
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	120 J	180 U	450
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 UJ	180 U	240
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	390 U	370 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	160 J	180 U	340
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	44 J	180 U	65 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	51 J	180 U	220
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.27 UJ	2.25 UJ	2.19 UJ	2.27 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.90 J	104	2.19 U	13.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.954	0.641	0.383 J	0.334 J
METALS	CADMIUM	MG/KG	NS	39	100	0.566 U	0.335 J	0.547 U	0.659
METALS	COPPER	MG/KG	NS	600	600	17.3	44.6	9.34	23.6 J
METALS	LEAD	MG/KG	NS	400	600	5.34	5910	3.25	55.8 J
METALS	MERCURY	MG/KG	NS	14	270	0.114 U	3.78	0.0085 J	0.454 J
METALS	NICKEL	MG/KG	NS	250	2400	10.8	16.2	4.44	11.7
METALS	SELENIUM	MG/KG	NS	63	3100	2.27 U	2.25 U	2.19 U	2.27 U
METALS	SILVER	MG/KG	NS	110	4100	0.566 U	0.580	0.547 U	0.566 U
METALS	THALLIUM	MG/KG	NS	2	2	1.26 J	1.16 J	1.34 J	1.74 J
METALS	ZINC	MG/KG	NS	1500	1500	61.9 J	153 J	44.7 J	23.3 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	500 J	330 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	350 U	330 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	350 U	330 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U	350 U	330 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	350 U	330 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	140000 U	130000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6900 U	6600 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	870 U	830 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(2.5-3.0) 05/09/06	AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(1.0-1.5) 05/09/06	AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(5.0-5.5) 05/09/06	AREA III MAINTENANCE SB-R-H11-01 SB-R-H11-01(1.0-1.5) 05/04/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	19 U	20 U	19 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	19 U	20 U	19 U	42
PCBS	TOTAL PCBS		UG/KG	50000	490	2000	19 U	20 U	19 U	42

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H11-01 SB-R-H11-01(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(2.5-3.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(1.0-1.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	3100 U	2800 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	790 U	710 U	150 J
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	790 U	710 U	860 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	790 U	710 U	860 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	790 U	710 U	860 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	190 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2200 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	160 J	190 U	95 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	4500	190 U	240
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	3800	190 U	230
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	7300	190 U	570
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	2900	190 U	240
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	190 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	400 U	370 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	4600	190 U	620
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	190 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	740	190 U	87 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	190 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	1700	190 U	210
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	190 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	190 U	45 J
METALS	ANTIMONY	MG/KG	NS	14	340	2.13 UJ	1.20 J	2.21 UJ	3.46 J
METALS	ARSENIC	MG/KG	NS	20	20	11.4	16.0	15.9	32.5
METALS	BERYLLIUM	MG/KG	NS	2	2	0.328 J	0.621	0.612	0.531 J
METALS	CADMIUM	MG/KG	NS	39	100	0.801	0.896	0.913	0.731
METALS	COPPER	MG/KG	NS	600	600	10.6 J	31.3 J	21.0 J	32.8 J
METALS	LEAD	MG/KG	NS	400	600	4.32 J	1210 J	5.85 J	314 J
METALS	MERCURY	MG/KG	NS	14	270	0.0031 J	0.383 J	0.0053 J	2.08 J
METALS	NICKEL	MG/KG	NS	250	2400	5.29	14.4	11.1	8.42
METALS	SELENIUM	MG/KG	NS	63	3100	2.13 U	1.48 J	2.21 U	3.95
METALS	SILVER	MG/KG	NS	110	4100	0.239 J	0.369 J	0.281 J	0.327 J
METALS	THALLIUM	MG/KG	NS	2	2	1.79 J	2.07 J	1.94 J	1.93 J
METALS	ZINC	MG/KG	NS	1500	1500	45.6 J	63.2 J	77.0 J	37.0 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	230 J	340 U	160 J
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	360 U	340 UJ	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	360 U	340 U	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	360 U	340 U	370 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	360 U	340 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	140000 UJ	130000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	7200 U	6700 U	7500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	910 U	840 U	940 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	210 U	19 U	210 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	210 U	19 U	210 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H11-01 SB-R-H11-01(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(2.5-3.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(1.0-1.5) 05/04/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	19 U	210 U	19 U	210 U
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	19 U	210 U	19 U	210 U
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	19 U	210 U	19 U	210 U
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	19 U	210 U	19 U	210 U
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	19 U	1700	19 U	2700
PCBS	TOTAL PCBS		UG/KG	50000	490	2000	19 U	1700	19 U	2700

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(5.0-5.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 TP-R-H11-03(9.0-9.5) 07/31/06	AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(4.0-4.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	NA	3100 U	3100 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	NA	780 U	790 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	NA	780 U	790 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	NA	780 U	790 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	NA	780 U	790 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	NA	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	NA	2500 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	NA	340	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	NA	200 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	NA	250	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	NA	500	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	NA	190 J	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	NA	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	NA	410 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	NA	460	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	NA	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	NA	110 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	NA	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	NA	190 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	NA	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	NA	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.17 UJ	1.96 J	2.45 UJ	2.26 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.02	2.35 J	78.4	2.53
METALS	BERYLLIUM	MG/KG	NS	2	2	0.435 J	0.422 J	0.517 J	0.765
METALS	CADMIUM	MG/KG	NS	39	100	0.809	0.611 U	0.875	0.846
METALS	COPPER	MG/KG	NS	600	600	18.1 J	18.4 J	65.3 J	25.7 J
METALS	LEAD	MG/KG	NS	400	600	5.24 J	7.11 J	150 J	11.6 J
METALS	MERCURY	MG/KG	NS	14	270	0.105 UJ	0.115 U	0.268 J	0.0676 J
METALS	NICKEL	MG/KG	NS	250	2400	6.23	11.6	14.4	10.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 U	2.44 U	1.58 J	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.356 J	0.611 U	0.249 J	0.312 J
METALS	THALLIUM	MG/KG	NS	2	2	2.21	2.44 U	1.39 J	2.26 U
METALS	ZINC	MG/KG	NS	1500	1500	40.5 J	46.0 J	86.9 J	65.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	NA	920	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	NA	370 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	NA	370 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	NA	370 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	NA	370 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	NA	150000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	NA	7400 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	NA	930 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	NA	110 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	NA	110 U	20 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(5.0-5.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 TP-R-H11-03(9.0-9.5) 07/31/06	AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(4.0-4.5) 05/04/06	
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	19 U	NA	110 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	19 U	NA	110 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	19 U	NA	110 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	19 U	NA	110 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	19 U	NA	1400	20 U
PCBS	TOTAL PCBS		UG/KG	50000	490	2000	19 U	NA	1400	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H12-01 SB-R-H12-01(1.5-2.0) 05/02/06	AREA III MAINTENANCE SB-R-H12-01 SB-R-H12-01(5.0-5.5) 05/02/06	AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(4.0-4.5) 05/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3500 U	3000 U	2900 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	870 U	740 U	730 U	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	870 U	740 U	730 U	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	870 U	740 U	730 U	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	870 U	740 U	730 U	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	200 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2400 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	200 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	200 U	1500	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	200 U	1500	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	200 U	2300	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	200 U	1100	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	200 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	400 U	390 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	200 U	1500	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	200 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	200 U	360	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	200 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	200 U	1200	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	200 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	200 U	140 J	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.99 UJ	1.96 UJ	1.42 J	1.00 J
METALS	ARSENIC	MG/KG	NS	20	20	1.99 J	1.72 J	31.4	5.03
METALS	BERYLLIUM	MG/KG	NS	2	2	0.938	0.747	0.817	1.36
METALS	CADMIUM	MG/KG	NS	39	100	0.498 U	0.490 U	0.558 U	0.564 U
METALS	COPPER	MG/KG	NS	600	600	11.4	13.7	29.0	17.8
METALS	LEAD	MG/KG	NS	400	600	5.97	4.52	28.0	4.88
METALS	MERCURY	MG/KG	NS	14	270	0.0186 J	0.0977 U	0.0572 J	0.0155 J
METALS	NICKEL	MG/KG	NS	250	2400	9.20	9.11	10.8	13.6
METALS	SELENIUM	MG/KG	NS	63	3100	1.99 U	1.96 U	2.23 U	2.26 U
METALS	SILVER	MG/KG	NS	110	4100	0.498 U	0.490 U	0.558 U	0.564 U
METALS	THALLIUM	MG/KG	NS	2	2	1.36 J	1.51 J	1.59 J	1.15 J
METALS	ZINC	MG/KG	NS	1500	1500	65.3 J	48.2 J	74.5	74.9
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	410 U	360 U	350 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	410 U	360 U	350 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	410 U	360 U	350 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	410 U	360 U	350 U	350 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	410 U	360 U	350 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	140000 U	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	8200 U	7100 U	7000 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	1000 U	890 U	870 U	870 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H12-01 SB-R-H12-01(1.5-2.0) 05/02/06	AREA III MAINTENANCE SB-R-H12-01 SB-R-H12-01(5.0-5.5) 05/02/06	AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(4.0-4.5) 05/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	23 U	20 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	23 U	20 U	11 J	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	23 U	20 U	11 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCs = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H12-03 SB-R-H12-03(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-H12-03 SB-R-H12-03(4.0-4.5) 05/03/06	AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(4.0-4.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2900 U	3400 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	730 U	860 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	730 U	860 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	730 U	860 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	730 U	860 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	180 U	220 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2600 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	180 U	220 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	180 U	220 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	180 U	220 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	180 U	220 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	180 U	220 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	180 U	220 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	360 U	440 U	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	180 U	220 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	180 U	220 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	180 U	220 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	180 U	220 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	180 U	220 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	180 U	220 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	180 U	220 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	11.7 UJ	10.8 UJ	2.55 UJ	2.12 UJ
METALS	ARSENIC	MG/KG	NS	20	20	6.38 J	10.8 U	24.1	2.63
METALS	BERYLLIUM	MG/KG	NS	2	2	0.662 J	0.667 J	0.272 J	0.472 J
METALS	CADMIUM	MG/KG	NS	39	100	2.93 U	2.71 U	0.494 J	0.821
METALS	COPPER	MG/KG	NS	600	600	8.18	17.6	10.0 J	14.1 J
METALS	LEAD	MG/KG	NS	400	600	5.93 J	10.8 U	12.5 J	3.96 J
METALS	MERCURY	MG/KG	NS	14	270	0.0166 J	0.0139 J	0.0439 J	0.105 UJ
METALS	NICKEL	MG/KG	NS	250	2400	5.07 J	10.3	5.23	10.7
METALS	SELENIUM	MG/KG	NS	63	3100	11.7 U	10.8 U	2.55 U	2.12 U
METALS	SILVER	MG/KG	NS	110	4100	2.93 U	2.71 U	0.638 U	0.235 J
METALS	THALLIUM	MG/KG	NS	2	2	11.7 U	10.8 U	2.55 U	1.57 J
METALS	ZINC	MG/KG	NS	1500	1500	41.0	117	43.2 J	43.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 U	390 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	330 U	390 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	330 U	390 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	330 U	390 U	330 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	330 U	390 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	160000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6500 U	7900 U	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	810 U	990 U	830 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U	22 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U	22 U	19 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H12-03 SB-R-H12-03(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-H12-03 SB-R-H12-03(4.0-4.5) 05/03/06	AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(4.0-4.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U	22 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U	22 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U	22 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U	22 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	18 U	22 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18 U	22 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H13-01 SB-R-H13-01(0.5-1.0) 05/02/06	AREA III MAINTENANCE SB-R-H13-01 SB-R-H13-01(2.5-3.0) 05/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	860 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	860 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	860 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	860 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 UJ	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	65 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 UJ	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	97 J	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	88 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 UJ	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 UJ	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.837 J	1.99 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.33	2.76
METALS	BERYLLIUM	MG/KG	NS	2	2	0.445 J	0.703
METALS	CADMIUM	MG/KG	NS	39	100	0.487 U	2.49 U
METALS	COPPER	MG/KG	NS	600	600	62.2	25.6
METALS	LEAD	MG/KG	NS	400	600	319	22.4
METALS	MERCURY	MG/KG	NS	14	270	0.632	0.0103 J
METALS	NICKEL	MG/KG	NS	250	2400	10.0	10.7
METALS	SELENIUM	MG/KG	NS	63	3100	1.53 J	9.97 U
METALS	SILVER	MG/KG	NS	110	4100	0.487 U	2.34 J
METALS	THALLIUM	MG/KG	NS	2	2	1.50 J	9.97 U
METALS	ZINC	MG/KG	NS	1500	1500	57.5 J	75.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	390 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	390 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	390 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	370 U	390 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	390 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	150000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 U	7800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	970 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	22 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	22 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H13-01 SB-R-H13-01(0.5-1.0) 05/02/06	AREA III MAINTENANCE SB-R-H13-01 SB-R-H13-01(2.5-3.0) 05/02/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	22 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	22 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	22 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	22 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	22 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	22 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-01 SB-R-H9-01(1.0-1.5) 05/09/06	AREA III MAINTENANCE SB-R-H9-01 SB-R-H9-01(5.0-5.5) 05/09/06	AREA III MAINTENANCE SB-R-H9-02 SB-R-H9-02(0.5-1.0) 05/09/06	AREA III MAINTENANCE SB-R-H9-02 SB-R-H9-02(2.0-2.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	3200 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	730 U	790 U	760 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	730 U	790 U	760 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	730 U	790 U	760 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	730 U	790 U	760 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	200 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2400 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	200 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	200 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	200 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	200 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	200 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	200 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	390 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	200 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	200 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	200 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	200 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	200 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	200 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	200 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.29 UJ	2.17 UJ	2.27 UJ	2.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.48	2.17 U	3.40	3.57
METALS	BERYLLIUM	MG/KG	NS	2	2	0.549 J	0.596	0.803	0.822
METALS	CADMIUM	MG/KG	NS	39	100	0.572 U	0.543 U	0.568 U	0.585 J
METALS	COPPER	MG/KG	NS	600	600	6.29	10.9	11.0	12.4
METALS	LEAD	MG/KG	NS	400	600	2.42	2.76	12.5	7.4
METALS	MERCURY	MG/KG	NS	14	270	0.0112 J	0.104 U	0.0733 J	0.0358 J
METALS	NICKEL	MG/KG	NS	250	2400	3.90	7.34	10.2	12.6
METALS	SELENIUM	MG/KG	NS	63	3100	2.29 U	2.17 U	2.27 U	2.35 U
METALS	SILVER	MG/KG	NS	110	4100	0.572 U	0.543 U	0.568 U	0.313 J
METALS	THALLIUM	MG/KG	NS	2	2	2.29 U	1.21 J	1.79 J	2.25 J
METALS	ZINC	MG/KG	NS	1500	1500	34.9 J	46.7 J	126 J	61.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	350 U	360 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	350 U	360 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	350 U	360 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	330 U	350 U	360 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	330 U	350 U	360 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 UJ	140000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6600 U	7100 U	7200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	830 U	890 U	900 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-01 SB-R-H9-01(1.0-1.5) 05/09/06	AREA III MAINTENANCE SB-R-H9-01 SB-R-H9-01(5.0-5.5) 05/09/06	AREA III MAINTENANCE SB-R-H9-02 SB-R-H9-02(0.5-1.0) 05/09/06	AREA III MAINTENANCE SB-R-H9-02 SB-R-H9-02(2.0-2.5) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	19 U	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	19 U	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCs = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-02 TP-R-H9-02(6.0-6.5) 08/01/06	AREA III MAINTENANCE SB-R-H9-03 SB-R-H9-03(1.0-1.5) 05/10/06	AREA III MAINTENANCE SB-R-H9-03 SB-R-H9-03(3.0-3.5) 05/10/06	AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(0.5-1.0) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	NA	3100 U	2600 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	NA	780 U	660 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	NA	780 U	660 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	NA	780 U	660 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	NA	780 U	660 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	NA	200 U	170 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	NA	2400 U	2100 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	NA	200 U	170 U	160 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	NA	200 U	170 U	120 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	NA	200 U	170 U	170 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	NA	200 U	170 U	360
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	NA	200 U	170 U	170 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	NA	200 U	170 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	NA	400 U	350 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	NA	200 U	170 U	170 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	NA	200 U	170 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	NA	200 U	170 U	43 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	NA	200 U	170 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	NA	200 U	170 U	110 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	NA	200 U	170 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	NA	200 U	170 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.43 J	1.51 J	2.06 UJ	2.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.04	5.68 J	1.29 J	7.48 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.553	0.682	0.532	0.915
METALS	CADMIUM	MG/KG	NS	39	100	0.0888 J	0.582 U	0.514 U	0.847
METALS	COPPER	MG/KG	NS	600	600	18.2 J	22.6 J	15.8 J	28.3 J
METALS	LEAD	MG/KG	NS	400	600	2.94 J	9.40 J	2.28 J	70.3 J
METALS	MERCURY	MG/KG	NS	14	270	0.107 U	0.0182 J	0.103 U	0.110 J
METALS	NICKEL	MG/KG	NS	250	2400	5.91	13.5 J	7.33 J	17.0 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.14 U	2.33 UJ	2.06 UJ	2.35 UJ
METALS	SILVER	MG/KG	NS	110	4100	0.535 U	1.11	0.514 U	0.587 U
METALS	THALLIUM	MG/KG	NS	2	2	2.14 U	2.09 J	1.31 J	1.60 J
METALS	ZINC	MG/KG	NS	1500	1500	57.5 J	46.9 J	35.2 J	503 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	NA	360 U	310 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	NA	360 U	310 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	NA	360 U	310 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	NA	360 U	310 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	NA	360 U	310 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA	140000 U	120000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	NA	7200 U	6300 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	NA	900 U	790 U	900 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	NA	20 U	18 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	NA	20 U	18 U	20 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-02 TP-R-H9-02(6.0-6.5) 08/01/06	AREA III MAINTENANCE SB-R-H9-03 SB-R-H9-03(1.0-1.5) 05/10/06	AREA III MAINTENANCE SB-R-H9-03 SB-R-H9-03(3.0-3.5) 05/10/06	AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(0.5-1.0) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	NA	20 U	18 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	NA	20 U	18 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	NA	20 U	18 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	NA	20 U	18 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	NA	20 U	18 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	NA	20 U	18 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCs = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(4.0-4.5) 05/10/06	AREA III MAINTENANCE SB-R-I10-04 SB-R-I10-04(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-I10-04 SB-R-I10-04(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(0.5-1.0) 05/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2800 U	2800 U	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	710 U	690 U	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	710 U	690 U	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	710 U	690 U	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	710 U	690 U	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	190 U	180 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2200 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	190 U	180 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	190 U	180 U	1900
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	190 U	180 U	1800
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	190 U	180 U	2800
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	190 U	180 U	1200
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	190 U	180 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	370 U	400 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	190 U	180 U	1900
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	190 U	180 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U	180 U	370
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	190 U	180 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	190 U	180 U	1300
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	190 U	180 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	190 U	180 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.17 UJ	2.16 UJ	2.13 UJ	1.01 J
METALS	ARSENIC	MG/KG	NS	20	20	1.93 J	1.83 J	2.67	15.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.575	0.788	0.796	0.167 J
METALS	CADMIUM	MG/KG	NS	39	100	0.102 J	0.741	0.739	0.591 U
METALS	COPPER	MG/KG	NS	600	600	13.6 J	14.7 J	16.8 J	17.4
METALS	LEAD	MG/KG	NS	400	600	2.65 J	4.12 J	5.69 J	48.1
METALS	MERCURY	MG/KG	NS	14	270	0.110 U	0.0497 J	0.0879 J	0.286
METALS	NICKEL	MG/KG	NS	250	2400	5.71 J	10.2	9.73	4.52
METALS	SELENIUM	MG/KG	NS	63	3100	2.17 UJ	2.16 U	2.13 U	2.36 U
METALS	SILVER	MG/KG	NS	110	4100	0.542 U	0.274 J	0.280 J	0.591 U
METALS	THALLIUM	MG/KG	NS	2	2	1.57 J	1.82 J	1.51 J	2.36 U
METALS	ZINC	MG/KG	NS	1500	1500	45.1 J	54.3 J	62.9 J	22.4
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	330 U	330 U	360 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	330 U	330 U	360 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	330 U	330 U	360 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	330 U	330 U	360 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	330 U	330 U	360 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	130000 UJ	130000 UJ	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	6700 U	6600 U	7200 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	840 U	820 U	890 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(4.0-4.5) 05/10/06	AREA III MAINTENANCE SB-R-I10-04 SB-R-I10-04(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-I10-04 SB-R-I10-04(4.0-4.5) 05/04/06	AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(0.5-1.0) 05/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	19 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	19 U	19 U	19 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	19 U	19 U	19 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(4.0-4.5) 05/03/06	AREA III MAINTENANCE SB-R-I11-03 TP-R-I11-03(8.0-8.5) 07/31/06	AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(5.0-5.5) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	NA	3000 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	NA	760 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	NA	760 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	NA	760 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	NA	760 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	180 U	210 U	200 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2500 U	2400 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	180 U	210 U	200 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	630	210 U	740	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	500	210 U	860	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1100	210 U	1300	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	490	210 U	660	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	180 U	210 U	200 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	410 U	150 J	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	520	210 U	960	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 U	210 U	200 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	98 J	210 U	180 J	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	180 U	210 U	200 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	330	210 U	590	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	180 U	210 U	200 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	180 U	210 U	200 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.19 UJ	NA	1.15 J	2.22 UJ
METALS	ARSENIC	MG/KG	NS	20	20	7.71	NA	25.2	1.90 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.410 J	NA	0.651	0.667
METALS	CADMIUM	MG/KG	NS	39	100	0.547 U	NA	0.993	0.569
METALS	COPPER	MG/KG	NS	600	600	17.9	NA	36.8 J	13.6 J
METALS	LEAD	MG/KG	NS	400	600	6.01	NA	85.1 J	3.76 J
METALS	MERCURY	MG/KG	NS	14	270	0.0196 J	NA	4.71 J	0.111 UJ
METALS	NICKEL	MG/KG	NS	250	2400	6.39	NA	12.1	6.57
METALS	SELENIUM	MG/KG	NS	63	3100	2.19 U	NA	2.31 U	2.22 U
METALS	SILVER	MG/KG	NS	110	4100	0.547 U	NA	0.830 J	0.556 U
METALS	THALLIUM	MG/KG	NS	2	2	1.30 J	NA	1.81 J	1.82 J
METALS	ZINC	MG/KG	NS	1500	1500	56.7	NA	91.5 J	37.9 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	330 U	NA	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	330 U	NA	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	330 U	NA	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	330 U	NA	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	330 U	NA	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 U	NA	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6600 U	NA	7100 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	830 U	NA	890 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	NA	20 U	19 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(4.0-4.5) 05/03/06	AREA III MAINTENANCE SB-R-I11-03 TP-R-I11-03(8.0-8.5) 07/31/06	AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(5.0-5.5) 05/04/06
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)		UG/KG	NS	NS	NS	19 U	NA	20 U
	PCB-1242 (AROCHLOR 1242)		UG/KG	NS	NS	NS	19 U	NA	20 U
	PCB-1248 (AROCHLOR 1248)		UG/KG	NS	NS	NS	19 U	NA	20 U
	PCB-1254 (AROCHLOR 1254)		UG/KG	NS	NS	NS	19 U	NA	20 U
	PCB-1260 (AROCHLOR 1260)		UG/KG	NS	NS	NS	4.8 J	NA	240
	TOTAL PCBS		UG/KG	50000	490	2000	4.8 J	NA	240

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I12-01 SB-R-I12-01(1.0-1.5) 05/03/06	AREA III MAINTENANCE SB-R-I12-01 SB-R-I12-01(4.0-4.5) 05/03/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(0.5-1.0) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(3.0-3.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3200 U	3000 U	2900 UJ	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	810 U	750 U	710 UJ	740 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	810 U	750 U	710 UJ	740 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	810 U	750 U	710 UJ	740 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	810 U	750 U	710 UJ	740 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	220 U	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2300 U	2300 U	2400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	220 U	190 U	190 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 J	190 U	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 J	190 U	190 U	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	310	190 U	190 U	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	110 J	190 U	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	220 U	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	440 U	380 U	380 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 J	190 U	190 U	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	220 U	190 U	190 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	47 J	190 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	220 U	190 U	190 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	150 J	190 U	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	220 U	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	220 U	190 U	190 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.56 J	1.39 J	2.22 UJ	2.35 UJ
METALS	ARSENIC	MG/KG	NS	20	20	13.6	2.98	3.70	2.26 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.501 J	0.691	0.198 J	0.541 J
METALS	CADMIUM	MG/KG	NS	39	100	0.258 J	0.569 U	0.556 U	0.588 U
METALS	COPPER	MG/KG	NS	600	600	43.6	21.0	26.5	9.24
METALS	LEAD	MG/KG	NS	400	600	67.7	5.43	69.9	4.98
METALS	MERCURY	MG/KG	NS	14	270	0.248	0.0068 J	0.0945 J	0.115 U
METALS	NICKEL	MG/KG	NS	250	2400	8.78	10.5	10.5	7.68
METALS	SELENIUM	MG/KG	NS	63	3100	2.58 U	2.28 U	2.22 U	2.35 U
METALS	SILVER	MG/KG	NS	110	4100	0.644 U	0.569 U	0.556 U	0.588 U
METALS	THALLIUM	MG/KG	NS	2	2	2.58 U	2.28 U	2.22 U	2.35 U
METALS	ZINC	MG/KG	NS	1500	1500	164	56.5	452 J	55.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 U	340 U	340 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 U	340 U	340 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 U	340 U	340 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	390 U	340 U	690 U	710 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 U	340 U	340 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	160000 U	140000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7900 U	6800 U	6900 U	7100 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	990 U	850 U	860 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	19 U	20 U

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I12-01 SB-R-I12-01(1.0-1.5) 05/03/06	AREA III MAINTENANCE SB-R-I12-01 SB-R-I12-01(4.0-4.5) 05/03/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(0.5-1.0) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(3.0-3.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	19 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	19 U	19 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	13 J	19 U	19 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	13 J	19 U	19 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCs = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(6.75-7.25) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-2 TP-R-G9-4-2(1.0-1.5) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-2 TP-R-G9-4-2(7.5-8.0) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(1.0-1.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2600 U	3000 UJ	3000 U	3200 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	650 U	750 UJ	750 U	790 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	650 U	750 UJ	750 U	790 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	650 U	750 UJ	750 U	790 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	650 U	750 UJ	750 U	790 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	200 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2500 U	2400 U	2400 U	2500 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	200 U	210 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	200 U	200 U	68 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	200 U	200 U	57 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	200 U	200 U	100 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	200 U	200 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	200 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	410 U	400 U	400 U	420 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	200 U	200 U	170 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	200 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	200 U	200 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	200 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	200 U	200 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	200 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	200 U	210 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.25 J	2.36 UJ	1.33 J	2.47 UJ
METALS	ARSENIC	MG/KG	NS	20	20	3.64	1.14 J	2.33 U	21.7
METALS	BERYLLIUM	MG/KG	NS	2	2	0.854	0.130 J	0.402 J	0.498 J
METALS	CADMIUM	MG/KG	NS	39	100	3.01 U	0.103 J	0.583 U	0.650
METALS	COPPER	MG/KG	NS	600	600	23.1	8.27	8.80	40.0
METALS	LEAD	MG/KG	NS	400	600	3.47	4.71	1.42 J	47.1
METALS	MERCURY	MG/KG	NS	14	270	0.0188 J	0.236	0.115 U	0.296
METALS	NICKEL	MG/KG	NS	250	2400	10.6	6.57	4.91	10.4
METALS	SELENIUM	MG/KG	NS	63	3100	2.41 U	2.36 U	2.33 U	2.47 U
METALS	SILVER	MG/KG	NS	110	4100	0.601 U	0.590 U	0.583 U	0.616 U
METALS	THALLIUM	MG/KG	NS	2	2	2.41 U	2.36 U	2.33 U	2.47 U
METALS	ZINC	MG/KG	NS	1500	1500	78.9 J	108 J	32.5 J	155 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	370 U	360 U	360 U	370 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	370 U	360 U	360 U	370 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	370 U	360 U	360 U	370 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	740 U	720 U	710 U	750 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	370 U	360 U	360 U	370 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	150000 UJ	140000 UJ	150000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7400 U	7200 U	7100 U	7500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	920 U	900 U	890 U	930 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-G9-4-1 TP-R-G9-4-1(6.75-7.25) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-2 TP-R-G9-4-2(1.0-1.5) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-2 TP-R-G9-4-2(7.5-8.0) 08/08/06	AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(1.0-1.5) 08/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	20 U	20 U	21 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	20 U	20 U	21 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(7.0-7.5) 08/08/06	AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(9.5-10.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-2 TP-R-H11-1-2(1.5-2.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2500 U	2700 UJ	2400 U
VOCS	BENZENE	UG/KG	1000	3000	13000	780 U	620 U	680 UJ	600 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	780 U	620 U	680 UJ	600 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	780 U	620 U	680 UJ	600 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	780 U	620 U	680 UJ	600 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2400 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	59 J	200 U	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	48 J	200 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	110 J	200 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	42 J	200 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	370 U	390 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	150 J	200 U	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	200 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	200 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	200 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	200 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	200 U	180 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.38 UJ	1.35 J	2.31 UJ	2.07 UJ
METALS	ARSENIC	MG/KG	NS	20	20	1.17 J	14.3	4.00	5.04
METALS	BERYLLIUM	MG/KG	NS	2	2	0.473 J	0.472 J	0.550 J	0.803
METALS	CADMIUM	MG/KG	NS	39	100	0.594 U	0.556 U	0.194 J	0.169 J
METALS	COPPER	MG/KG	NS	600	600	11.8	42.6	14.3	26.3
METALS	LEAD	MG/KG	NS	400	600	1.09 J	616	4.61	53.7
METALS	MERCURY	MG/KG	NS	14	270	0.115 U	0.187	0.112 U	0.0463 J
METALS	NICKEL	MG/KG	NS	250	2400	4.70	7.93	7.97	8.34
METALS	SELENIUM	MG/KG	NS	63	3100	2.38 U	2.22 U	2.31 U	2.07 U
METALS	SILVER	MG/KG	NS	110	4100	0.594 U	0.556 U	0.578 U	0.518 U
METALS	THALLIUM	MG/KG	NS	2	2	2.38 U	2.22 U	2.31 U	2.07 U
METALS	ZINC	MG/KG	NS	1500	1500	34.2 J	79.2	56.4	63.3
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	330 UJ	350 UJ	320 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	330 UJ	350 UJ	320 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	330 UJ	350 UJ	320 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	730 U	670 UJ	710 UJ	630 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	330 UJ	350 UJ	320 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 U	6700 UJ	7100 UJ	6300 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 U	830 UJ	880 UJ	790 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	19 U	20 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	19 U	20 U	18 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(7.0-7.5) 08/08/06	AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(9.5-10.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-2 TP-R-H11-1-2(1.5-2.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	19 U	20 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	19 U	20 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	19 U	20 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	57	20 U	86
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	21 U	110	20 U	46
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	21 U	167	20 U	132

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-2 TP-R-H11-1-2(9.5-10.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(5.0-5.5) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(8.5-9.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2700 U	2600 UJ	2900 UJ	2600 UJ
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	660 UJ	720 UJ	650 UJ
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	680 U	660 UJ	720 UJ	650 UJ
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	680 U	660 UJ	720 UJ	650 UJ
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	680 U	660 UJ	720 UJ	650 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	200 U	210 U	170 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2400 U	2600 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	200 U	210 U	170 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	390	47 J	170 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	510	51 J	170 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	1100	85 J	170 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	390	210 U	170 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	200 U	210 U	170 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	390 U	430 U	350 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	650	59 J	170 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	200 U	210 U	170 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	160 J	210 U	170 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	200 U	210 U	170 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	380	210 U	170 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	200 U	210 U	170 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	200 U	160 J	170 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.26 UJ	1.56 J	2.53 UJ	2.02 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.72	40.1	2.28 J	2.67
METALS	BERYLLIUM	MG/KG	NS	2	2	0.443 J	0.626	0.746	0.460 J
METALS	CADMIUM	MG/KG	NS	39	100	0.566 U	0.594	0.632 U	0.504 U
METALS	COPPER	MG/KG	NS	600	600	19.4	157 J	13.5 J	15.7 J
METALS	LEAD	MG/KG	NS	400	600	3.59	938	7.66	6.97
METALS	MERCURY	MG/KG	NS	14	270	0.117 U	0.307 J	0.0139 J	0.101 U
METALS	NICKEL	MG/KG	NS	250	2400	7.87	15.0	11.6	6.06
METALS	SELENIUM	MG/KG	NS	63	3100	2.26 U	2.31 U	2.53 U	2.02 U
METALS	SILVER	MG/KG	NS	110	4100	0.566 U	0.579 U	0.632 U	0.504 U
METALS	THALLIUM	MG/KG	NS	2	2	2.26 U	2.31 U	2.53 U	2.02 U
METALS	ZINC	MG/KG	NS	1500	1500	50.7	424 J	63.6 J	33.7 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	350 UJ	380 UJ	310 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	350 UJ	380 UJ	310 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	350 UJ	380 UJ	310 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	710 UJ	710 UJ	770 UJ	620 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	350 UJ	380 UJ	310 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	64000 J	150000 U	120000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7100 UJ	7100 UJ	7700 UJ	6200 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 UJ	890 UJ	960 UJ	780 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	2000 U	110 U	18 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	2000 U	110 U	18 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-2 TP-R-H11-1-2(9.5-10.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(5.0-5.5) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(8.5-9.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	2000 U	110 U	18 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	2000 U	110 U	18 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	2000 U	110 U	18 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	5600	310	18 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	1000 J	210	18 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	6600 J	520	18 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCs = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-4 TP-R-H11-1-4(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-4 TP-R-H11-1-4(8.5-9.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2500 U	3000 UJ	2600 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	630 U	740 UJ	650 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	630 U	740 UJ	650 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	630 U	740 UJ	650 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	630 U	740 UJ	650 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	210 U	190 U	210 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2600 U	2200 U	2600 U	2400 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 U	190 U	210 U	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210 U	190 U	44 J	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	210 U	190 U	51 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	210 U	190 U	91 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	210 U	190 U	210 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	210 U	190 U	210 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	430 U	370 U	430 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	210 U	190 U	63 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	210 U	190 U	210 U	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	210 U	190 U	210 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	210 U	190 U	210 U	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	210 U	190 U	210 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	210 U	190 U	210 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	210 U	190 U	210 U	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.55 UJ	2.16 UJ	2.48 UJ	2.30 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.59	2.82	11.1	3.26
METALS	BERYLLIUM	MG/KG	NS	2	2	0.781	0.528 J	0.731	0.590
METALS	CADMIUM	MG/KG	NS	39	100	0.158 J	0.539 U	2.95	0.576 U
METALS	COPPER	MG/KG	NS	600	600	11.6 J	14.7 J	341 J	15.2 J
METALS	LEAD	MG/KG	NS	400	600	29.3	18.9	2150	9.45
METALS	MERCURY	MG/KG	NS	14	270	0.0618 J	0.0175 J	0.344 J	0.0132 J
METALS	NICKEL	MG/KG	NS	250	2400	10.5	6.45	15.9	8.77
METALS	SELENIUM	MG/KG	NS	63	3100	2.55 U	2.16 U	2.48 U	2.30 U
METALS	SILVER	MG/KG	NS	110	4100	0.637 U	0.539 U	0.245 J	0.576 U
METALS	THALLIUM	MG/KG	NS	2	2	2.55 U	2.16 U	2.48 U	2.30 U
METALS	ZINC	MG/KG	NS	1500	1500	245 J	58.5 J	2110 J	52.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	390 UJ	330 UJ	380 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	390 UJ	330 UJ	380 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	390 UJ	330 UJ	380 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	770 UJ	670 UJ	770 UJ	710 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	390 UJ	330 UJ	380 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 U	130000 U	160000 U	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7700 UJ	6700 UJ	7700 UJ	7100 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	970 UJ	830 UJ	960 UJ	880 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	22 U	19 U	22 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	22 U	19 U	22 U	20 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-4 TP-R-H11-1-4(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-4 TP-R-H11-1-4(8.5-9.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(9.5-10.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	22 U	19 U	22 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	22 U	19 U	22 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	22 U	19 U	22 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	22 U	19 U	22 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	15 J	19 U	90	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	15 J	19 U	90	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-F8-02 SB-R-F8-02(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-F8-03 SB-R-F8-03(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-G7-01 SB-R-G7-01(0.5-1.0) 07/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	NA	3000 U
VOCS	BENZENE	UG/KG	1000	3000	13000	700 U	NA	750 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	700 U	NA	750 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	700 U	NA	750 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	700 U	NA	750 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	260 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	3100 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	260 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	54 J	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	58 J	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	120 J	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	260 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	260 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	510 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	90 J	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	110 J	140 J	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	260 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	260 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	52 J	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	260 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	43 J	260 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.14 J	3.00 UJ	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.30	6.27	4.13
METALS	BERYLLIUM	MG/KG	NS	2	2	0.471 J	0.521 J	0.397 J
METALS	CADMIUM	MG/KG	NS	39	100	0.425 J	0.706 J	0.261 J
METALS	COPPER	MG/KG	NS	600	600	15.4	29.3	6.51
METALS	LEAD	MG/KG	NS	400	600	8.61	134	11.1
METALS	MERCURY	MG/KG	NS	14	270	0.0315 J	0.328	0.0305 J
METALS	NICKEL	MG/KG	NS	250	2400	7.85	15.8	6.97
METALS	SELENIUM	MG/KG	NS	63	3100	2.20 U	3.00 U	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.549 U	0.749 U	0.558 U
METALS	THALLIUM	MG/KG	NS	2	2	2.20 U	2.24 J	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	33.6 J	78.4 J	25.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 UJ	460 UJ	350 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 UJ	460 UJ	350 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 UJ	460 UJ	350 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 UJ	460 UJ	350 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 UJ	460 UJ	350 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	180000 J	140000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 UJ	8300 J	7000 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 UJ	1200 UJ	870 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U	26 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U	26 U	20 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-F8-02 SB-R-F8-02(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-F8-03 SB-R-F8-03(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-G7-01 SB-R-G7-01(0.5-1.0) 07/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U	26 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U	26 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U	26 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U	26 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U	39	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U	39	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(0.5-1.0) 07/06/06	AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(3.5-4.0) 08/24/06	AREA III MISCELLANEOUS/OFFSITE SB-R-I13-03 SB-R-I13-03(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U	NA	4200 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U	NA	1100 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U	NA	1100 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U	NA	1100 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U	NA	1100 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	290 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	3400 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	190 U	290 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	4500	190 U	96 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	4900	190 U	110 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	6900	190 U	170 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	2800	190 U	68 J
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	290 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	370 U	570 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	5200	190 U	160 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	290 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	730	190 U	290 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	290 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	3100	190 U	73 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	290 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	190 U	290 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.30 UJ	NA	3.36 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.29 J	NA	14.5
METALS	BERYLLIUM	MG/KG	NS	2	2	0.528 J	NA	0.129 J
METALS	CADMIUM	MG/KG	NS	39	100	0.498 J	NA	0.163 J
METALS	COPPER	MG/KG	NS	600	600	16.5	NA	15.4
METALS	LEAD	MG/KG	NS	400	600	42.5	NA	175 J
METALS	MERCURY	MG/KG	NS	14	270	0.110 U	NA	0.293
METALS	NICKEL	MG/KG	NS	250	2400	7.49	NA	7.63
METALS	SELENIUM	MG/KG	NS	63	3100	2.30 U	NA	1.66 J
METALS	SILVER	MG/KG	NS	110	4100	0.574 U	NA	1.23 J
METALS	THALLIUM	MG/KG	NS	2	2	2.30 U	NA	3.36 U
METALS	ZINC	MG/KG	NS	1500	1500	46.1 J	NA	40.7
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 UJ	NA	510 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 UJ	NA	510 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 UJ	NA	510 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 UJ	NA	510 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 UJ	NA	510 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	NA	210000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 UJ	NA	10000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 UJ	NA	1300 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	NA	29 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	NA	29 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(0.5-1.0) 07/06/06	AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(3.5-4.0) 08/24/06	AREA III MISCELLANEOUS/OFFSITE SB-R-I13-03 SB-R-I13-03(0.5-1.0) 06/27/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	NA	29 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	NA	29 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	NA	29 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	NA	29 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	16 J	NA	100
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	16 J	NA	100

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(0.5-1.0) 05/15/06	AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(4.0-4.5) 05/15/06	AREA III WESTERN DEVELOPMENT SB-R-G7-02 SB-R-G7-02(0.5-1.0) 07/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3000 U	2800 U	3500 U
VOCS	BENZENE	UG/KG	1000	3000	13000	740 U	710 U	870 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	740 U	710 U	870 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	740 U	710 U	870 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	740 U	710 U	870 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	240 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2800 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	240 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	590	190 U	69 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	690	190 U	81 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1000	190 U	140 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	370	190 U	240 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	240 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	380 U	470 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	740	190 U	110 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	240 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	120 J	190 U	240 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	240 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	430	190 U	58 J
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	240 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	240 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.35 UJ	2.24 UJ	2.82 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.38	1.96 J	4.32
METALS	BERYLLIUM	MG/KG	NS	2	2	0.527 J	0.321 J	0.0972 J
METALS	CADMIUM	MG/KG	NS	39	100	0.118 J	0.632	0.210 J
METALS	COPPER	MG/KG	NS	600	600	15.6	7.74	7.25
METALS	LEAD	MG/KG	NS	400	600	22.9	3.99	59.9
METALS	MERCURY	MG/KG	NS	14	270	0.124	0.0143 J	0.174
METALS	NICKEL	MG/KG	NS	250	2400	8.41	5.92	6.33
METALS	SELENIUM	MG/KG	NS	63	3100	2.35 U	2.24 U	2.82 U
METALS	SILVER	MG/KG	NS	110	4100	0.588 U	0.560 U	0.704 U
METALS	THALLIUM	MG/KG	NS	2	2	2.35 U	2.24 U	2.82 U
METALS	ZINC	MG/KG	NS	1500	1500	39.5 J	22.7 J	22.5 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	430 UJ
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	430 UJ
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	430 UJ
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	350 U	430 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	350 U	430 UJ
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	170000 U
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6900 U	8500 UJ
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	900 U	870 U	1100 UJ
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	20 U	24 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	20 U	24 U

Table B4-3

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(0.5-1.0) 05/15/06	AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(4.0-4.5) 05/15/06	AREA III WESTERN DEVELOPMENT SB-R-G7-02 SB-R-G7-02(0.5-1.0) 07/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	20 U	24 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	20 U	24 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	20 U	24 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	20 U	24 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	20 U	28
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	20 U	28

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H6-03 SB-R-H6-03(0.5-1.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H6-03 SB-R-H6-03(4.25-4.75) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-03 SB-R-H7-03(0.5-1.0) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	2900 U	2800 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	730 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	730 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	730 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	730 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	410 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	4900 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	410 U	190 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	160 J	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	170 J	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	240 J	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	110 J	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	410 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	810 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	220 J	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	410 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	410 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	410 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	120 J	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	410 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	410 U	190 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.41 UJ	2.31 UJ	2.28 UJ
METALS	ARSENIC	MG/KG	NS	20	20	5.25	4.73	4.56
METALS	BERYLLIUM	MG/KG	NS	2	2	0.995	0.922	0.575
METALS	CADMIUM	MG/KG	NS	39	100	1.16	0.950	1.10
METALS	COPPER	MG/KG	NS	600	600	20.0 J	17.2	12.4 J
METALS	LEAD	MG/KG	NS	400	600	69.2	5.90	12.7
METALS	MERCURY	MG/KG	NS	14	270	3.24	0.113 U	0.0532 J
METALS	NICKEL	MG/KG	NS	250	2400	12.4 J	13.9	11.2 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.41 U	2.31 U	2.28 U
METALS	SILVER	MG/KG	NS	110	4100	0.445 J	0.468 J	0.299 J
METALS	THALLIUM	MG/KG	NS	2	2	2.41 U	2.31 U	2.28 U
METALS	ZINC	MG/KG	NS	1500	1500	124 J	55.0	53.4 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	350 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	350 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	350 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	360 U	350 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	350 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 U	6900 U	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 U	870 U	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	21 U	20 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	21 U	20 U	20 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H6-03 SB-R-H6-03(0.5-1.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H6-03 SB-R-H6-03(4.25-4.75) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-03 SB-R-H7-03(0.5-1.0) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	21 U	20 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	21 U	20 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	21 U	20 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	21 U	20 U	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	16 J	20 U	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	16 J	20 U	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H7-03 SB-R-H7-03(4.25-4.75) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(0.5-1.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(4.5-5.0) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2800 U	2900 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	740 U	730 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	710 U	740 U	730 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	710 U	740 U	730 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	710 U	740 U	730 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	200 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	110 J	200 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	190 U	200 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	37 J	200 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	64 J	200 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	190 U	200 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	200 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	370 U	390 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	87 J	200 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	200	200 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	200 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	400	200 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	200 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	200 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	160 J	200 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.22 UJ	2.23 UJ	2.30 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.57	5.66	4.25
METALS	BERYLLIUM	MG/KG	NS	2	2	0.660	0.330 J	0.821
METALS	CADMIUM	MG/KG	NS	39	100	0.912	0.562	1.11
METALS	COPPER	MG/KG	NS	600	600	14.5 J	16.4 J	32.1 J
METALS	LEAD	MG/KG	NS	400	600	6.68	40.0	8.62
METALS	MERCURY	MG/KG	NS	14	270	0.0055 J	2.31	0.0230 J
METALS	NICKEL	MG/KG	NS	250	2400	10.1 J	13.4 J	14.0 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.22 U	2.23 U	2.30 U
METALS	SILVER	MG/KG	NS	110	4100	0.282 J	0.276 J	0.310 J
METALS	THALLIUM	MG/KG	NS	2	2	1.29 J	2.23 U	2.30 U
METALS	ZINC	MG/KG	NS	1500	1500	51.6 J	34.2 J	59.6 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	350 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	350 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	350 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	330 U	350 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	330 U	350 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	54000 J	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6700 U	7000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	840 U	880 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	19 U	20 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	19 U	20 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H7-03 SB-R-H7-03(4.25-4.75) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(0.5-1.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(4.5-5.0) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	19 U	20 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	19 U	20 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	19 U	20 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	10 J	20 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	8.8 J	20 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18.8 J	20 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(1.0-1.5) 05/10/06	AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(2.5-3.0) 05/10/06	AREA III WESTERN DEVELOPMENT SB-R-H8-04 SB-R-H8-04(1.0-1.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	3100 U	3100 U	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	770 U	780 U	710 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	770 U	780 U	710 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	770 U	780 U	710 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	770 U	780 U	710 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2100 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	180 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	180 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	180 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	180 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	390 U	360 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	180 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	180 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	180 U	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	1.12 J	2.09 UJ	2.19 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.99 J	2.23 J	2.87
METALS	BERYLLIUM	MG/KG	NS	2	2	0.978	0.669	0.779
METALS	CADMIUM	MG/KG	NS	39	100	0.572 U	0.523 U	0.953
METALS	COPPER	MG/KG	NS	600	600	17.8 J	13.7 J	21.3 J
METALS	LEAD	MG/KG	NS	400	600	7.64 J	2.17 J	9.38
METALS	MERCURY	MG/KG	NS	14	270	0.0194 J	0.104 U	0.0235 J
METALS	NICKEL	MG/KG	NS	250	2400	12.1 J	7.89 J	11.1 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.29 UJ	2.09 UJ	2.19 U
METALS	SILVER	MG/KG	NS	110	4100	0.572 U	0.523 U	0.368 J
METALS	THALLIUM	MG/KG	NS	2	2	2.17 J	1.39 J	2.19 U
METALS	ZINC	MG/KG	NS	1500	1500	53.2 J	37.8 J	69.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	320 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	320 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	320 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	350 U	320 U	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	320 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 U	130000 U	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7000 U	6400 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	880 U	800 U	850 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	20 U	18 U	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	20 U	18 U	19 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(1.0-1.5) 05/10/06	AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(2.5-3.0) 05/10/06	AREA III WESTERN DEVELOPMENT SB-R-H8-04 SB-R-H8-04(1.0-1.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	20 U	18 U	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	20 U	18 U	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	20 U	18 U	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	20 U	18 U	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	20 U	18 U	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	20 U	18 U	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-3

Soil - Analytical Results - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H8-04 SB-R-H8-04(3.0-3.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	2900 U
VOCS	BENZENE	UG/KG	1000	3000	13000	720 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	720 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	720 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	720 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U
METALS	ANTIMONY	MG/KG	NS	14	340	2.23 UJ
METALS	ARSENIC	MG/KG	NS	20	20	2.32
METALS	BERYLLIUM	MG/KG	NS	2	2	0.795
METALS	CADMIUM	MG/KG	NS	39	100	1.05
METALS	COPPER	MG/KG	NS	600	600	20.4 J
METALS	LEAD	MG/KG	NS	400	600	5.41
METALS	MERCURY	MG/KG	NS	14	270	0.0200 J
METALS	NICKEL	MG/KG	NS	250	2400	12.7 J
METALS	SELENIUM	MG/KG	NS	63	3100	2.23 U
METALS	SILVER	MG/KG	NS	110	4100	0.327 J
METALS	THALLIUM	MG/KG	NS	2	2	2.23 U
METALS	ZINC	MG/KG	NS	1500	1500	57.8 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	340 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U
PCBS	PCB-1016 (AROCHLOR 1016)	UG/KG	NS	NS	NS	19 U
PCBS	PCB-1221 (AROCHLOR 1221)	UG/KG	NS	NS	NS	19 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-H8-04 SB-R-H8-04(3.0-3.5) 05/11/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
PCBS	PCB-1232 (AROCHLOR 1232)	UG/KG	NS	NS	NS	19 U
PCBS	PCB-1242 (AROCHLOR 1242)	UG/KG	NS	NS	NS	19 U
PCBS	PCB-1248 (AROCHLOR 1248)	UG/KG	NS	NS	NS	19 U
PCBS	PCB-1254 (AROCHLOR 1254)	UG/KG	NS	NS	NS	19 U
PCBS	PCB-1260 (AROCHLOR 1260)	UG/KG	NS	NS	NS	19 U
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	19 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-F10-03 SB-R-F10-03(0.75-1.25) 05/09/06	AREA III A-LINE SB-R-F8-01 SB-R-F8-01(0.5-1.0) 05/11/06	AREA III A-LINE SB-R-F9-01 SB-R-F9-01(1.0-1.5) 05/09/06	AREA III A-LINE SB-R-F9-01 SB-R-F9-01(5.0-5.5) 05/09/06	AREA III A-LINE SB-R-F9-03 SB-R-F9-03(0.75-1.25) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	210 J	-	250	-	97 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	82.3	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	2230	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	3.68 J	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	450 J	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	350000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-G8-01 SB-R-G8-01(0.97-1.42) 05/10/06	AREA III A-LINE SB-R-G8-04 SB-R-G8-04(0.75-1.25) 05/11/06	AREA III A-LINE SB-R-G8-04 SB-R-G8-04(4.0-4.5) 05/11/06	AREA III A-LINE SB-R-G9-01 SB-R-G9-01(0.75-1.25) 05/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	220
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	29.0 J	22.2	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	94000	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-1 TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-2 TP-R-E9-2119/E9-2337/E9-1-2(0.5-1.0) 08/09/06	AREA III A-LINE TP-R-E9-2119/E9-1-3 TP-R-E9-2119/E9-2337/E9-1-3(0.5-1.0) 08/09/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	140 J	160 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	200 J	380 J	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE TP-R-E9-2119/E9-1-4 TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-F10-2094-1 TP-R-F10-2094-1(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-1 TP-R-G8-2110-1(1.0-1.5) 08/09/06	AREA III A-LINE TP-R-G8-2110-3 TP-R-G8-2110-3(0.5-1.0) 08/18/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	570 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	3100
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	2500
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1300 J	1700 J	-	16000
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	6700
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	1100
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	3500
METALS	ARSENIC	MG/KG	NS	20	20	NA	NA	NA	NA
METALS	LEAD	MG/KG	NS	400	600	NA	NA	NA	NA
METALS	THALLIUM	MG/KG	NS	2	2	NA	NA	NA	NA
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	200 J	-	660	520 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	500 J	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	82000

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-H13-03 SB-R-H13-03(0.5-1.0) 05/12/06	AREA III AN SB-R-I12-02 SB-R-I12-02(0.5-1.0) 05/15/06	AREA III AN SB-R-I12-03 SB-R-I12-03(1.5-2.0) 05/15/06	AREA III AN SB-R-I13-01 SB-R-I13-01(0.5-1.0) 05/12/06	AREA III AN SB-R-I13-02 SB-R-I13-02(0.5-1.0) 05/12/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	14600	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	950	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	1100	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1800	-	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	104	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	1310	-
METALS	MERCURY	MG/KG	NS	14	270	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-	910 J	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	620	690	-	870

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN SB-R-I13-02 TP-R-I13-02(7.5-8.0) 08/25/06	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-1 TP-R-H12-237/H13-7/H13-1-1(6.5-7.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	19000	82000 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	34.0 J	14.9 J
METALS	ARSENIC	MG/KG	NS	20	20	-	25.2	-
METALS	COPPER	MG/KG	NS	600	600	-	4900 J	2940 J
METALS	LEAD	MG/KG	NS	400	600	-	26300	19900
METALS	MERCURY	MG/KG	NS	14	270	-	100 J	51.9 J
METALS	ZINC	MG/KG	NS	1500	1500	-	11400 J	6340 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	3800	6600 J	360000 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	3900 J	13000 J
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	5000 J	12000 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	11000000	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	150000 J	190000 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-2 TP-R-H12-237/H13-7/H13-1-2(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(1.5-2.0) 08/01/06	AREA III AN TP-R-H12-237/H13-1-3 TP-R-H12-237/H13-7/H13-1-3(9.5-10.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1300	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-	-	-
METALS	ANTIMONY	MG/KG	NS	14	340	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	33.2	21.6	-
METALS	COPPER	MG/KG	NS	600	600	-	-	-
METALS	LEAD	MG/KG	NS	400	600	1150	-	666
METALS	MERCURY	MG/KG	NS	14	270	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	2050 J	5750 J	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	250 J	-	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-	-	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-	-	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(1.5-2.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-4 TP-R-H12-237/H13-7/H13-1-4(6.5-7.0) 08/01/06		AREA III AN TP-R-H12-237/H13-1-5 TP-R-H12-237/H13-7/H13-1-5(1.5-2.0) 08/01/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	67000 J		220		15000	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		-	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		-	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		1000 J	
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	170000 J		-		-	
METALS	ANTIMONY	MG/KG	NS	14	340	14.8 J		-		101 J	
METALS	ARSENIC	MG/KG	NS	20	20	26.4		-		23.3	
METALS	COPPER	MG/KG	NS	600	600	1010 J		-		2610	
METALS	LEAD	MG/KG	NS	400	600	29400		6950		27500	
METALS	MERCURY	MG/KG	NS	14	270	39.3 J		36.0 J		59.7	
METALS	ZINC	MG/KG	NS	1500	1500	3680 J		3840 J		6390	
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	160 J		-		1900 J	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	1500 J		-		14000 J	
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-		-		3400 J	
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-		-		-	
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	25000000		-		-	
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	1400000 J		48000 J		-	
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III AN TP-R-H12-237/H13-1-6 TP-R-H12-237/H13-7/H13-1-6(1.5-2.0) 08/01/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	350
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	-
METALS	ANTIMONY	MG/KG	NS	14	340	32.6 J
METALS	ARSENIC	MG/KG	NS	20	20	20.8
METALS	COPPER	MG/KG	NS	600	600	58400 J
METALS	LEAD	MG/KG	NS	400	600	5270
METALS	MERCURY	MG/KG	NS	14	270	-
METALS	ZINC	MG/KG	NS	1500	1500	26400 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	-
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-F11-01 SB-R-F11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-F11-02 SB-R-F11-02(1.75-2.25) 05/08/06	AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-G10-01 SB-R-G10-01(2.0-2.5) 05/04/06	AREA III MAINTENANCE SB-R-G10-02 SB-R-G10-02(1.0-1.5) 05/08/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	720	750	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1500	980	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	79.6	-	-	-	22.1
METALS	LEAD	MG/KG	NS	400	600	-	1080	-	-	519
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	2.12 J	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	220 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	1890	600	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-G10-03 SB-R-G10-03(0.75-1.25) 05/08/06	AREA III MAINTENANCE SB-R-G11-01 SB-R-G11-01(0.5-1.0) 05/05/06	AREA III MAINTENANCE SB-R-G11-02 SB-R-G11-02(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G11-03 SB-R-G11-03(1.0-1.5) 05/05/06	AREA III MAINTENANCE SB-R-G12-03 SB-R-G12-03(0.5-1.0) 05/05/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	69 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	3400	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	1800	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	4100	-	-	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	1600	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	-	45.3	43.0	59.6	-
METALS	LEAD	MG/KG	NS	400	600	523	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	640	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H10-01 SB-R-H10-01(2.0-2.5) 05/04/06	AREA III MAINTENANCE SB-R-H10-02 SB-R-H10-02(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H10-03 SB-R-H10-03(0.5-1.0) 05/09/06	AREA III MAINTENANCE SB-R-H10-04 SB-R-H10-04(1.0-1.5) 05/09/06	AREA III MAINTENANCE SB-R-H11-02 SB-R-H11-02(0.5-1.0) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	270	610	660	160 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	4500
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	-	3800
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	-	7300
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	2900
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	740
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	1700
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	104	-
METALS	LEAD	MG/KG	NS	400	600	-	562 J	4060	5910	1210 J
METALS	THALLIUM	MG/KG	NS	2	2	2.61	-	-	-	2.07 J
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	500 J	230 J
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	1700

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(1.0-1.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-03 SB-R-H11-03(5.0-5.5) 05/04/06	AREA III MAINTENANCE SB-R-H11-04 SB-R-H11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE SB-R-H12-02 SB-R-H12-02(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-H12-04 SB-R-H12-04(0.5-1.0) 05/04/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	95 J	-	340	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	1500	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	1500	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	2300	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	1100	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	1200	-
METALS	ARSENIC	MG/KG	NS	20	20	32.5	-	78.4	31.4	24.1
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	2.21	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	160 J	-	920	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	2700	-	1400	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-H9-02 SB-R-H9-02(2.0-2.5) 05/09/06	AREA III MAINTENANCE SB-R-H9-03 SB-R-H9-03(1.0-1.5) 05/10/06	AREA III MAINTENANCE SB-R-H9-04 SB-R-H9-04(0.5-1.0) 05/10/06	AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(0.5-1.0) 05/03/06	AREA III MAINTENANCE SB-R-I11-03 SB-R-I11-03(4.0-4.5) 05/03/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	160 J	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	1900	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	-	-	1800	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	-	-	2800	1100
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	1200	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	1300	-
METALS	ARSENIC	MG/KG	NS	20	20	-	-	-	-	-
METALS	LEAD	MG/KG	NS	400	600	-	-	-	-	-
METALS	THALLIUM	MG/KG	NS	2	2	2.25 J	2.09 J	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	-	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-4

Soil - Exceedance Summary - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE SB-R-I11-04 SB-R-I11-04(0.5-1.0) 05/04/06	AREA III MAINTENANCE TP-R-G9-4-3 TP-R-G9-4-3(1.0-1.5) 08/08/06	AREA III MAINTENANCE TP-R-H11-1-1 TP-R-H11-1-1(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(1.5-2.0) 07/31/06	AREA III MAINTENANCE TP-R-H11-1-3 TP-R-H11-1-3(5.0-5.5) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	-	-	-	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	860	-	-	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1300	-	-	1100	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	-	-	-	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	-	-	-	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	-	-	-	-
METALS	ARSENIC	MG/KG	NS	20	20	25.2	21.7	-	40.1	-
METALS	LEAD	MG/KG	NS	400	600	-	-	616	938	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	-	-	-
METALS	ZINC	MG/KG	NS	1500	1500	-	-	-	-	-
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-	-	-	-	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-	-	-	6600 J	520

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-4

Soil - Exceedance Summary - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE TP-R-H11-1-5 TP-R-H11-1-5(1.5-2.0) 07/31/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-
METALS	ARSENIC	MG/KG	NS	20	20	-
METALS	LEAD	MG/KG	NS	400	600	2150
METALS	THALLIUM	MG/KG	NS	2	2	-
METALS	ZINC	MG/KG	NS	1500	1500	2110 J
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	-
PCBS	TOTAL PCBS	UG/KG	50000	490	2000	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
PCBS = Polychlorinated biphenyls
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-4

Soil - Exceedance Summary - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MISCELLANEOUS/OFFSITE SB-R-F8-03 SB-R-F8-03(0.5-1.0) 07/05/06	AREA III MISCELLANEOUS/OFFSITE SB-R-H6-04 SB-R-H6-04(0.5-1.0) 07/06/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-	4500
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-	4900
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-	6900
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-	2800
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	-	730
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	-	3100
METALS	THALLIUM	MG/KG	NS	2	2	2.24 J	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-4

Soil - Exceedance Summary - Area III
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III WESTERN DEVELOPMENT SB-R-G6-01 SB-R-G6-01(0.5-1.0) 05/15/06	AREA III WESTERN DEVELOPMENT SB-R-H7-04 SB-R-H7-04(0.5-1.0) 05/11/06	AREA III WESTERN DEVELOPMENT SB-R-H8-02 SB-R-H8-02(1.0-1.5) 05/10/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	-	110 J	-
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	690	-	-
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	1000	-	-
METALS	THALLIUM	MG/KG	NS	2	2	-	-	2.17 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B4-5

Soil - Incomplete Horizontal Delineation - Area III
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Remedial Area	Former Operational Area	Location ID	Field Sample ID	Analytical Group	RDCSCC Exceedance	NRDCSCC Exceedance	IGWSCC Exceedance
AREA III	AN	G13-1-04	SB-G13-1-04(0.0-1.0)	METALS	Y	-	-
AREA III	AN	H13-2031A-02	SB-H13-2031A-02(0.0-1.25)	METALS	Y	Y	-
AREA III	AN	H13-8164-02	SB-H13-8164-02(0.0-1.0)	METALS	Y	Y	-
AREA III	MISCELLANEOUS/OFFSITE	H14-3-19	SB-H14-3-19(0.0-0.5)	METALS	Y	-	-
AREA III	AN	H13-8164-02	SB-H13-8164-02(0.0-1.0)	SVOCS	Y	Y	-
AREA III	MISCELLANEOUS/OFFSITE	SB-R-H6-04	SB-R-H6-04(0.5-1.0)	SVOCS	Y	Y	-
AREA III	WESTERN DEVELOPMENT	H6-8122-01	SB-H6-8122-01(0.0-0.75)	SVOCS	Y	Y	-
AREA III	WESTERN DEVELOPMENT	SB-R-G6-01	SB-R-G6-01(0.5-1.0)	SVOCS	Y	Y	-

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TP = Test pit
Y = Horizontal sample was identified by laboratory analysis at concentrations exceeding the RDCSCC, NRDCSCC, or IGWSCC for analytical group indicated on table

Table B4-6

Soil - Incomplete Vertical Delineation - Area III
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Hercules Incorporated
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Remedial Area	Former Operational Area	Location ID	Field Sample ID	Analytical Group	RDCSCC Exceedance	NRDCSCC Exceedance	IGWSCC Exceedance
AREA III	AN	TP-R-H12-237/H13-1-3	TP-R-H12-237/H13-7/H13-1-3(9.5-10.0)	METALS	Y	Y	-
AREA III	AN	SB-R-I13-02	TP-R-I13-02(7.5-8.0)	E&E	-	-	Y

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TP = Test pit
Y = Maximum vertical sample was identified by laboratory analysis at concentrations exceeding the RDCSCC, NRDCSCC, or IGWSCC for analytical group indicated on table

Table B5-1

Soil - AOCs Reserved for the RI - DDNP Ponds
Volume B - Remedial Investigation Report
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Kenvil Works Facility, New Jersey

						Proposed Analytical Requirements*	Analytical Group Added due to Field Observations**
Remedial Area	Operational Area	AOC Designation ¹	Name	Description	Justification for Reserving the AOCs for the RI		
Area III	Diazo	H8-1	DDNP (Diazo) Ponds	S pond's location evident due to stressed vegetation areas; N pond located from map; S pond shows dark brown to black soil staining with a red tint to staining (area=10,000 sq. ft.).	This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	E&E	SVOCs, General Chemistry
Area III	Diazo	H8-584	Can Stop Paint Shop	Bldg. demolished-minimal evidence of former bldg. No evidence of release.	This AOC was reserved for the Remedial Investigation, based on Phase I - Site Investigation Field Observation	SVOCs, E&E	General Chemistry
Notes: AC = Air conditioning AOC = Area of concern AST = Aboveground storage tank Bldg = Building DIGL-RIP = Stick propellant E&E = Explosive and energetic EQ = Equilization tank FID = Flame-ionization detector Gal = Gallon HVAC = Heating ventilation/air conditioning IRM = Interim remedial measure NA = Not applicable NC = Nitrocellulose NG = Nitroglycerin No. = Number PETN = Pentaerythritol tetranitrate PID = Photoionization detector PPM = Parts per million PVC = Polyvinyl chloride RR = Railroad Sq Ft = Square Foot SS = Stainless steel SV = Stressed vegetation TNT = 2,4,6-Trinitrotoluene WWTP = Wastewater treatment plant XRF = X-ray fluorescence ~ = Approximately ` = Foot " = Inch ? = Unknown Group A explosives include TNT, TNB, Picric Acid and Comp B Group B explosives include RDX, PETN, dynamite, SEMTEXT, nitrocellulose and nitroglycerin Group C explosives include those containing nitrates such as ANFO and black powder *In the event field observations indicated the presence of an analytical group within a sample interval which was not specified in the SI, the analytical group was added to the analytical requirements for that sample. **Refer to Appendix B - Soil Boring Logs for field observations made during the RI. ¹ H8-1 and H8-584 are located within the same area and were sampled simultaneously; therefore analytical samples collected from both of these AOCs are designated as H8-1.							

Table B5-2

Soil - Sampling and Analysis Plan with Exceedance Summary - DDNP Pond Samples
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						Analytical Group			IGWSCC/RDCSCC/NRDCSCC Exceedancess		
						Analytical Sampling Requirements					
Remedial Area	Former Operational Area	Sample Strategy	Location ID	Field Sample ID	Sample Collection Date	SVOCS	E&E	GENERAL CHEMISTRY	SVOCS	E&E	GENERAL CHEMISTRY
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-01	TP-R-88-01A-01(1.0-1.5)	12/19/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-01	TP-R-88-01A-01(9.5-10.0)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-02	TP-R-88-01A-02(1.0-1.5)	12/19/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-02	TP-R-88-01A-02(9.0-9.5)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-03	TP-R-88-01A-03(1.5-2.0)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-03	TP-R-88-01A-03(9.5-10.0)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-04	TP-R-88-01A-04(1.0-1.5)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-04	TP-R-88-01A-04(3.0-3.5)	12/20/2006	X	X	X	Y	Y	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-04	TP-R-88-01A-04(9.0-9.5)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-05	TP-R-88-01A-05(1.5-2.0)	12/20/2006	X	X	X	Y	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-05	TP-R-88-01A-05(5.0-5.5)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01A-05	TP-R-88-01A-05(8.0-8.5)	12/20/2006	X	X	X	Y	Y	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-01	TP-R-88-01B-01(1.5-2.0)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-01	TP-R-88-01B-01(9.5-10.0)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-02	TP-R-88-01B-02(1.5-2.0)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-02	TP-R-88-01B-02(7.5-8.0)	12/20/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-03	TP-R-88-01B-03(1.5-2.0)	12/21/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-03	TP-R-88-01B-03(6.5-7.0)	12/21/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-04	TP-R-88-01B-04(1.0-1.5)	12/21/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-04	TP-R-88-01B-04(7.5-8.0)	12/21/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-05	TP-R-88-01B-05(1.0-1.5)	12/21/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-05	TP-R-88-01B-05(2.5-3.0)	12/21/2006	X	X	X	-	-	-
AREA III	DIAZO	SI AOC Rsvd for RI	TP-R-H8-01B-05	TP-R-88-01B-05(7.5-8.0)	12/21/2006	X	X	X	-	-	-

Notes:

- All sample depths on this table (0.5-1.0) refer to feet below ground surface
- SVOCS = Semi-volatile organic constituents
- E&E = Explosive and energetic constituents
- IGWSCC = Impact to groundwater soil cleanup criteria
- RDCSCC = Residential direct contact soil cleanup criteria
- NRDCSCC = Non-residential direct contact soil cleanup criteria
- TP = Test pit
- X = Sample was submitted for laboratory analysis for analytical group indicated on table
- Y = Sample was identified by laboratory analysis at concentrations exceeding the IGWSCC/RDCSCC/NRDCSCC for analytical group indicated on table
- SI = Site Investigation
- RI = Remedial Investigation
- AOC = Area of Concern
- SI AOC Rsvd for RI = These samples were collected from SI AOCs Reserved for the RI

Table B5-3

Soil - Sampling and Analysis Plan with Exceedance Summary - Trench Samples
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Hercules Incorporated
Kenvil Works Facility, New Jersey

					Analytical Sampling Requirements			Analytical Group IGWSCC/RDCSCC/NRDCSCC Exceedances		
Remedial Area	Former Operational Area	Location ID	Field Sample ID	Sample Collection Date	VOCS	SVOCS	PHCS	VOCS	SVOCS	PHCS
AREA I	B-LINE	SB-R-TR-06	SB-R-TR-06(8.0-8.5)	08/23/2006	X	X	X	-	-	-
AREA I	B-LINE	SB-R-TR-07	SB-R-TR-07(9.0-9.5)	08/23/2006	X	X	X	-	-	-
AREA I	B-LINE	SB-R-TR-08	SB-R-TR-08(10.0-10.5)	08/23/2006	X	X	X	-	-	-
AREA III	A-LINE	SB-R-TR-01	SB-R-TR-01(6.5-7.0)	08/18/2006	X	X	X	-	-	-
AREA III	A-LINE	SB-R-TR-02	SB-R-TR-02(4.0-4.5)	08/21/2006	X	X	X	Y	-	-
AREA III	A-LINE	SB-R-TR-04	SB-R-TR-04(5.5-6.0)	08/22/2006	X	X	X	-	-	-
AREA III	A-LINE	SB-R-TR-05	SB-R-TR-05(5.0-5.5)	08/22/2006	X	X	X	-	-	-
AREA III	MAINTENANCE	SB-R-TR-03	SB-R-TR-03(4.5-5.0)	08/22/2006	X	X	X	-	-	-

Notes:
All sample depths on this table (8.0-8.5) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
PHCS = Petroleum hydrocarbons
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NA = Not analyzed
SB = Soil boring
TR = Trench
X = Sample was submitted for laboratory analysis for analytical group indicated on table
Y = Sample was identified by laboratory analysis at concentrations exceeding the IGWSCC/RDCSCC/NRDCSCC for analytical group indicated on table

Table B5-4

Soil - Analytical Results - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01A-01 TP-R-88-01A-01(1.0-1.5) 12/19/06	AREA III DIAZO TP-R-H8-01A-01 TP-R-88-01A-01(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-02 TP-R-88-01A-02(1.0-1.5) 12/19/06	AREA III DIAZO TP-R-H8-01A-02 TP-R-88-01A-02(9.0-9.5) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	200 UJ	190 U	190 U	190 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	200 UJ	190 U	190 U	190 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	200 UJ	190 U	190 U	190 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	200 UJ	190 U	190 U	190 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 UJ	2200 U	2300 U	2300 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 UJ	190 U	190 U	190 U
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	200 UJ	190 U	190 U	190 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	200 UJ	190 U	190 U	190 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	200 UJ	190 U	190 U	190 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	400 UJ	370 U	380 U	380 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	610 UJ	560 U	570 U	570 U
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	200 UJ	190 U	190 U	190 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	200 UJ	190 U	190 U	190 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	610 UJ	560 U	570 U	570 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	200 UJ	190 U	190 U	190 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	4000 UJ	3700 U	3800 U	3800 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	71 J	190 U	190 U	190 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	57 J	190 U	190 U	190 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	91 J	190 U	190 U	190 U
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	58 J	190 U	190 U	190 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	57 J	190 U	190 U	190 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	200 UJ	190 U	190 U	190 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	200 UJ	190 U	190 U	190 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 UJ	370 U	380 U	380 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	98 J	190 U	190 U	190 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 UJ	190 U	190 U	190 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	170 J	190 U	190 U	190 U
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	200 UJ	190 U	190 U	190 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	200 UJ	190 U	190 U	190 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01A-01 TP-R-88-01A-01(1.0-1.5) 12/19/06	AREA III DIAZO TP-R-H8-01A-01 TP-R-88-01A-01(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-02 TP-R-88-01A-02(1.0-1.5) 12/19/06	AREA III DIAZO TP-R-H8-01A-02 TP-R-88-01A-02(9.0-9.5) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	610 UJ	560 U	570 U	570 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	200 UJ	190 U	190 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 J	190 U	190 U	190 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	200 UJ	190 U	190 U	190 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 UJ	190 U	190 U	190 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	200 UJ	190 U	190 U	190 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 UJ	190 U	190 U	190 U
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	200 UJ	190 U	190 U	190 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	610 UJ	560 U	570 U	570 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	81 J	190 U	190 U	190 U
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	67 J	190 U	190 U	190 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	150 J	190 U	190 U	190 U
E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	360 UJ	330 U	340 U	340 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 UJ	330 U	340 U	340 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 UJ	330 U	340 U	340 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 UJ	330 U	340 U	340 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	360 UJ	330 U	340 U	340 U
E&E	3-NITROTOLUENE	UG/KG	NS	1600000	10000000	360 UJ	330 U	340 U	340 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	730 UJ	670 U	680 U	680 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	360 UJ	330 U	340 U	340 U
E&E	DIAZODINITROPHENOL	UG/KG	NS	10000000	10000000	10000 U	10000 U	10000 U	10000 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 UJ	330 U	340 U	340 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	360 UJ	330 U	340 U	340 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	150000 UJ	130000 UJ	140000 UJ	140000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7300 UJ	6700 U	6800 U	6800 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 UJ	840 U	860 U	850 U
E&E	PENTAERYTHRITOL TETRANITRATE	UG/KG	NS	NS	NS	7300 UJ	6700 U	6800 U	6800 U
E&E	TETRYL	UG/KG	NS	780000	10000000	360 UJ	330 U	340 U	340 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01A-03 TP-R-88-01A-03(1.5-2.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-03 TP-R-88-01A-03(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(1.0-1.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(3.0-3.5) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	200 U	190 U	200 U	210 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	200 U	190 U	200 U	210 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	200 U	190 U	200 U	210 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	200 U	190 U	200 U	210 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	200 U	210 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	200 U	190 U	200 U	210 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	200 U	190 U	200 U	210 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	200 U	190 U	200 U	210 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2200 U	2400 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	200 U	270
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	200 U	190 U	200 U	210 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	200 U	190 U	200 U	210 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	200 U	190 U	200 U	210 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	400 U	370 U	390 U	430 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	600 U	560 U	590 U	640 U
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	200 U	190 U	200 U	210 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	200 U	190 U	200 U	210 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	200 U	190 U	200 U	210 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	600 U	560 U	590 U	640 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	200 U	190 U	200 U	210 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	200 U	190 U	200 U	210 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	200 U	190 U	200 U	210 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	4000 U	3700 U	3900 U	4300 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	200 U	190 U	200 U	210 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	200 U	190 U	200 U	210 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	200 U	190 U	200 U	58 J
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	200 U	190 U	200 U	210 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200 U	190 U	200 U	210 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	210 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	200 U	190 U	200 U	210 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	200 U	190 U	200 U	210 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	200 U	190 U	200 U	210 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	370 U	390 U	430 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 U	190 U	200 U	72 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	200 U	210 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	200 U	210 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	200 U	190 U	200 U	210 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	200 U	210 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	200 U	210 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	200 U	190 U	200 U	85 J
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	200 U	190 U	200 U	210 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	200 U	190 U	200 U	210 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	200 U	190 U	200 U	210 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01A-03 TP-R-88-01A-03(1.5-2.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-03 TP-R-88-01A-03(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(1.0-1.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(3.0-3.5) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	600 U	560 U	590 U	640 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	200 U	190 U	200 U	210 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	200 U	190 U	200 U	210 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	200 U	190 U	200 U	210 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	200 U	210 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	200 U	190 U	200 U	210 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	200 U	73 J
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	200 U	190 U	200 U	210 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	600 U	560 U	590 U	640 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	200 U	190 U	200 U	58 J
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	200 U	190 U	200 U	210 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	200 U	190 U	200 U	81 J
E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	360 U	340 U	350 U	380 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	350 U	380 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	350 U	380 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	350 U	380 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	360 U	340 U	350 U	380 U
E&E	3-NITROTOLUENE	UG/KG	NS	1600000	10000000	360 U	340 U	350 U	380 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	720 U	670 U	710 U	770 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	360 U	340 U	350 U	380 U
E&E	DIAZODINITROPHENOL	UG/KG	NS	10000000	10000000	9900 U	10000 U	10000 UJ	10000 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	350 U	380 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	360 U	340 U	350 U	380 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	140000 UJ	130000 J	98000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6700 U	7100 U	130000
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	910 U	840 U	890 U	960 U
E&E	PENTAERYTHRITOL TETRANITRATE	UG/KG	NS	NS	NS	7200 U	6700 U	7100 U	7700 U
E&E	TETRYL	UG/KG	NS	780000	10000000	360 U	340 U	350 U	380 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(9.0-9.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(1.5-2.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(5.0-5.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(8.0-8.5) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	190 U	190 U	190 U	220 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	190 U	190 U	190 U	220 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	190 U	190 U	190 U	220 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	190 U	190 U	190 U	220 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	190 U	190 U	220 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	190 U	190 U	190 U	220 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	190 U	190 U	190 U	220 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	190 U	190 U	190 U	220 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2200 U	2200 U	2300 U	2600 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	79 J	190 U	220 U
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	190 U	190 U	190 U	220 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	190 U	190 U	190 U	220 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	190 U	190 U	190 U	220 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	370 U	370 U	390 U	440 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	560 U	560 U	580 U	650 U
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	190 U	190 U	190 U	220 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	190 U	190 U	190 U	220 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	190 U	190 U	190 U	220 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	560 U	560 U	340 J	5200
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	190 U	190 U	190 U	2700
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	190 U	190 U	190 U	120 J
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	190 U	190 U	190 U	2000
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	3700 U	3700 U	3900 U	4400 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	190 U	41 J	190 U	2500
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	190 U	38 J	190 U	1000
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	190 U	83 J	65 J	2700
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	190 U	190 U	190 U	530
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	190 U	43 J	190 U	1300
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	220 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	190 U	190 U	190 U	220 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	190 U	190 U	190 U	220 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	190 U	190 U	190 U	220 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	370 U	370 U	390 U	96 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	190 U	68 J	84 J	4300
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	190 U	190 U	220 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	190 U	190 U	190 U	220 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	190 U	190 U	160 J
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	220 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	220 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	190 U	57 J	74 J	7900
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	190 U	190 U	190 U	2900
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	190 U	190 U	190 U	220 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	190 U	190 U	190 U	220 U

Table B5-4

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(9.0-9.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(1.5-2.0) 12/20/06	AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(5.0-5.5) 12/20/06	AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(8.0-8.5) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	560 U	560 U	580 U	650 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	190 U	190 U	190 U	220 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 U	190 U	170 J	810
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	190 U	190 U	190 U	220 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	190 U	190 U	220 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	190 U	190 U	190 U	220 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	190 U	160 J	190 U	89 J
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	190 U	190 U	190 U	370
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	560 U	560 U	580 U	650 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	190 U	190 U	190 U	8000
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	190 U	190 U	190 U	230
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	190 U	56 J	64 J	6200
E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	340 U	340 U	350 U	390 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	340 U	340 U	350 U	390 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	340 U	340 U	350 U	2300 J
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	340 U	340 U	350 U	390 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	340 U	340 U	350 U	390 U
E&E	3-NITROTOLUENE	UG/KG	NS	1600000	10000000	340 U	340 U	350 U	390 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	670 U	670 U	700 U	790 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	340 U	340 U	350 U	390 U
E&E	DIAZODINITROPHENOL	UG/KG	NS	10000000	10000000	10000 UJ	10000 UJ	10000 UJ	10000 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	340 U	340 U	350 U	390 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	340 U	340 U	350 U	390 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	130000 UJ	130000 UJ	140000 UJ	160000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6700 U	6700 U	7000 U	7900 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	840 U	840 U	870 U	980 U
E&E	PENTAERYTHRITOL TETRANITRATE	UG/KG	NS	NS	NS	6700 U	6700 U	7000 U	7900 U
E&E	TETRYL	UG/KG	NS	780000	10000000	340 U	340 U	350 U	390 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01B-01 TP-R-88-01B-01(1.5-2.0) 12/20/06	AREA III DIAZO TP-R-H8-01B-01 TP-R-88-01B-01(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01B-02 TP-R-88-01B-02(1.5-2.0) 12/20/06	AREA III DIAZO TP-R-H8-01B-02 TP-R-88-01B-02(7.5-8.0) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	190 U	180 U	190 U	180 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	190 U	180 U	190 U	180 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	190 U	180 U	190 U	180 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	190 U	180 U	190 U	180 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	180 U	190 U	180 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	190 U	180 U	190 U	180 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	190 U	180 U	190 U	180 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	190 U	180 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	2200 U	2200 U	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	180 U	190 U	180 U
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	190 U	180 U	190 U	180 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	190 U	180 U	190 U	180 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	190 U	180 U	190 U	180 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	380 U	360 U	370 U	360 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	580 U	550 U	560 U	540 U
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	190 U	180 U	190 U	180 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	190 U	180 U	190 U	180 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	190 U	180 U	190 U	180 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	580 U	550 U	560 U	540 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	190 U	180 U	190 U	180 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	190 U	180 U	190 U	180 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	190 U	180 U	190 U	180 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	3800 U	3600 U	3700 U	3600 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	58 J	180 U	55 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	57 J	180 U	66 J	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	84 J	180 U	89 J	180 U
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	51 J	180 U	47 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	46 J	180 U	52 J	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	190 U	180 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	190 U	180 U	190 U	180 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	190 U	180 U	190 U	180 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	190 U	180 U	190 U	180 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	360 U	370 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	83 J	180 U	84 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	180 U	190 U	180 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	190 U	180 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	190 U	180 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	190 U	180 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	180 U	190 U	180 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	130 J	180 U	120 J	180 U
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	190 U	180 U	190 U	180 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	190 U	180 U	190 U	180 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	190 U	180 U	190 U	180 U

Table B5-4

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01B-01 TP-R-88-01B-01(1.5-2.0) 12/20/06	AREA III DIAZO TP-R-H8-01B-01 TP-R-88-01B-01(9.5-10.0) 12/20/06	AREA III DIAZO TP-R-H8-01B-02 TP-R-88-01B-02(1.5-2.0) 12/20/06	AREA III DIAZO TP-R-H8-01B-02 TP-R-88-01B-02(7.5-8.0) 12/20/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	580 U	550 U	560 U	540 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	190 U	180 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	190 J	180 U	190	180 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	190 U	180 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	180 U	190 U	180 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	190 U	180 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	64 J	180 U	190 U	180 U
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	190 U	180 U	190 U	180 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	580 U	550 U	560 U	540 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	82 J	180 U	48 J	180 U
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	47 J	60 J	190 U	180 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	120 J	180 U	110 J	180 U
E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	350 U	330 U	340 U	330 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	330 U	340 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	330 U	340 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	330 U	340 U	330 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	350 U	330 U	340 U	330 U
E&E	3-NITROTOLUENE	UG/KG	NS	1600000	10000000	350 U	330 U	340 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	690 U	660 U	670 U	650 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	350 U	330 U	340 U	330 U
E&E	DIAZODINITROPHENOL	UG/KG	NS	10000000	10000000	10000 UJ	10000 UJ	10000 UJ	10000 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	330 U	340 U	330 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	350 U	330 U	340 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	140000 UJ	130000 UJ	130000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	6600 U	6700 U	6500 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	870 U	820 U	840 U	810 U
E&E	PENTAERYTHRITOL TETRANITRATE	UG/KG	NS	NS	NS	6900 U	6600 U	6700 U	6500 U
E&E	TETRYL	UG/KG	NS	780000	10000000	350 U	330 U	340 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01B-03 TP-R-88-01B-03(1.5-2.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-03 TP-R-88-01B-03(6.5-7.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-04 TP-R-88-01B-04(1.0-1.5) 12/21/06	AREA III DIAZO TP-R-H8-01B-04 TP-R-88-01B-04(7.5-8.0) 12/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	200 U	190 U	190 U	180 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	200 U	190 U	190 U	180 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	200 U	190 U	190 U	180 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	200 U	190 U	190 U	180 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	200 U	190 U	190 U	180 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	200 U	190 U	190 U	180 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	200 U	190 U	190 U	180 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	200 U	190 U	190 U	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2400 U	2300 U	2300 U	2100 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	200 U	190 U	190 U	180 U
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	200 U	190 U	190 U	180 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	200 U	190 U	190 U	180 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	200 U	190 U	190 U	180 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	400 U	380 U	380 U	360 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	600 U	570 U	580 U	540 U
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	200 U	190 U	190 U	180 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	200 U	190 U	190 U	180 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	200 U	190 U	190 U	180 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	600 U	570 U	580 U	540 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	200 U	190 U	190 U	180 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	200 U	190 U	190 U	180 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	200 U	190 U	190 U	180 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	4000 U	3800 U	3800 U	3600 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	120 J	190 U	44 J	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	140 J	190 U	190 U	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 J	190 U	51 J	180 U
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	150 J	190 U	190 U	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	110 J	190 U	190 U	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U	180 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	200 U	190 U	190 U	180 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	200 U	190 U	190 U	180 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	200 UJ	190 UJ	190 UJ	180 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	400 U	380 U	380 U	360 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 J	190 U	46 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	200 U	190 U	190 U	180 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	200 U	190 U	190 U	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	50 J	190 U	190 U	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U	180 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	200 U	190 U	190 U	180 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	240	190 U	75 J	180 U
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	200 U	190 U	190 U	180 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	200 U	190 U	190 U	180 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	200 U	190 U	190 U	180 U

Table B5-4

Soil - Analytical Results - DDNP Pond Samples
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01B-03 TP-R-88-01B-03(1.5-2.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-03 TP-R-88-01B-03(6.5-7.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-04 TP-R-88-01B-04(1.0-1.5) 12/21/06	AREA III DIAZO TP-R-H8-01B-04 TP-R-88-01B-04(7.5-8.0) 12/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	600 UJ	570 UJ	580 UJ	540 UJ
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	200 U	190 U	190 U	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	89 J	190 U	190 U	180 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	200 U	190 U	190 U	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	200 U	190 U	190 U	180 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	200 U	190 U	190 U	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	200 U	190 U	190 U	180 U
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	200 U	190 U	190 U	180 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	600 U	570 U	580 U	540 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	110 J	190 U	190 U	180 U
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	200 U	190 U	190 U	180 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	230	190 U	57 J	180 U
E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	360 U	340 U	350 U	320 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	360 U	340 U	350 U	320 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	360 U	340 U	350 U	320 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	360 U	340 U	350 U	320 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	360 U	340 U	350 U	320 U
E&E	3-NITROTOLUENE	UG/KG	NS	1600000	10000000	360 U	340 U	350 U	320 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	720 U	680 U	690 U	640 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	360 U	340 U	350 U	320 U
E&E	DIAZODINITROPHENOL	UG/KG	NS	10000000	10000000	10000 UJ	10000 UJ	9900 UJ	10000 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	360 U	340 U	350 U	320 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	360 U	340 U	350 U	320 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	51000 J	88000 J	140000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	7200 U	6800 U	6900 U	6400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	890 U	850 U	860 U	800 U
E&E	PENTAERYTHRITOL TETRANITRATE	UG/KG	NS	NS	NS	7200 U	6800 U	6900 U	6400 U
E&E	TETRYL	UG/KG	NS	780000	10000000	360 U	340 U	350 U	320 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-4

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(1.0-1.5) 12/21/06	AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(2.5-3.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(7.5-8.0) 12/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	190 U	250 UJ	180 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	190 U	250 UJ	180 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	190 U	250 UJ	180 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	190 U	250 UJ	180 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	190 U	250 UJ	180 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	190 U	250 UJ	180 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	190 U	250 UJ	180 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	190 U	250 UJ	180 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	2300 U	3000 UJ	2200 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	190 U	250 UJ	180 U
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	190 U	250 UJ	180 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	190 U	250 UJ	180 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	190 U	250 UJ	180 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	380 U	500 UJ	370 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	580 U	750 UJ	550 U
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	190 U	250 UJ	180 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	190 U	250 UJ	180 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	190 U	250 UJ	180 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	580 U	750 UJ	550 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	190 U	250 UJ	180 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	49 J	250 UJ	180 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	53 J	250 UJ	180 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	3800 U	5000 UJ	3700 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	210	250 UJ	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	250	250 UJ	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	350	56 UJ	180 U
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	100 J	250 UJ	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	200	250 UJ	180 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	190 U	250 UJ	180 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	190 U	250 UJ	180 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	190 U	250 UJ	180 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	190 UJ	250 UJ	180 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	380 U	500 UJ	370 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	350	53 J	180 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	190 U	250 UJ	180 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	190 U	250 UJ	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	44 J	250 UJ	180 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	250 UJ	180 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	190 U	250 UJ	180 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	580	76 J	180 U
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	190 U	250 UJ	180 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	190 U	250 UJ	180 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	190 U	250 UJ	180 U

Table B5-4

Soil - Analytical Results - DDNP Pond Samples
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(1.0-1.5) 12/21/06	AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(2.5-3.0) 12/21/06	AREA III DIAZO TP-R-H8-01B-05 TP-R-88-01B-05(7.5-8.0) 12/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	580 UJ	750 UJ	550 UJ
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	190 U	250 UJ	180 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	150 J	250 UJ	180 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	190 U	250 UJ	180 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	190 U	250 UJ	180 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	190 U	250 UJ	180 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	44 J	52 J	180 U
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	190 U	250 UJ	180 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	580 U	750 UJ	550 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	290	250 UJ	180 U
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	190 U	250 UJ	180 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	580	79 J	180 U
E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	350 U	450 U	330 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	350 U	450 U	330 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	350 U	450 U	330 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	350 U	450 U	330 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	350 U	450 U	330 U
E&E	3-NITROTOLUENE	UG/KG	NS	1600000	10000000	350 U	450 U	330 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	690 U	900 U	660 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	350 U	450 U	330 U
E&E	DIAZODINITROPHENOL	UG/KG	NS	10000000	10000000	10000 UJ	10000 UJ	10000 UJ
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	350 U	450 U	330 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	350 U	450 U	330 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	74000 J	180000 UJ	130000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	6900 U	9000 U	6600 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	860 U	1100 U	820 U
E&E	PENTAERYTHRITOL TETRANITRATE	UG/KG	NS	NS	NS	6900 U	9000 U	6600 U
E&E	TETRYL	UG/KG	NS	780000	10000000	350 U	450 U	330 U

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-5

Soil - Analytical Results - Trench Samples
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SB-R-TR-06 SB-R-TR-06(8.0-8.5) 08/23/06	AREA I B-LINE SB-R-TR-07 SB-R-TR-07(9.0-9.5) 08/23/06	AREA I B-LINE SB-R-TR-08 SB-R-TR-08(10.0-10.5) 08/23/06	AREA III A-LINE SB-R-TR-01 SB-R-TR-01(6.5-7.0) 08/18/06	AREA III A-LINE SB-R-TR-02 SB-R-TR-02(4.0-4.5) 08/21/06	AREA III A-LINE SB-R-TR-04 SB-R-TR-04(5.5-6.0) 08/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	710 U	830 U	780 U	740 U	7500	690 U
VOCS	ETHYLBENZENE	UG/KG	100000	1000000	1000000	710 U	830 U	780 U	740 U	900 U	690 U
VOCS	TERT-BUTYL METHYL ETHER	UG/KG	NS	NS	NS	710 U	830 U	780 U	740 U	900 U	690 U
VOCS	TOLUENE	UG/KG	500000	1000000	1000000	710 U	830 U	780 U	740 U	900 U	690 U
VOCS	XYLENES, TOTAL	UG/KG	67000	410000	1000000	710 U	830 U	780 U	740 U	900 U	690 U
SVOCS	1-METHYLNAPHTHALENE	UG/KG	NS	NS	NS	180 U	220 U	200 U	200 U	210 U	180 U
SVOCS	2-METHYLNAPHTHALENE	UG/KG	NS	NS	NS	180 U	220 U	200 U	200 U	210 U	180 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	180 U	220 U	200 U	200 U	66 J	180 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	180 U	220 U	200 U	200 U	210 U	180 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	180 U	220 U	200 U	200 U	220	180 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	220 U	200 U	200 U	370	180 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	220 U	200 U	200 U	280	180 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	220 U	200 U	200 U	370	180 U
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	180 U	220 U	200 U	200 U	180 J	180 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	220 U	200 U	200 U	190 J	180 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	220 U	200 U	200 U	350	180 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	220 U	200 U	200 U	50 J	180 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	180 U	220 U	200 U	200 U	820	180 U
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	180 U	220 U	200 U	200 U	85 J	43 J
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	220 U	200 U	200 U	180 J	180 U
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	180 U	220 U	200 U	200 U	210 U	180 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	180 U	220 U	200 U	200 U	930	180 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	180 U	220 U	200 U	200 U	810	180 U
PHC	#6 FUEL OIL	MG/KG	NS	NS	NS	33 U	39 U	62 U	36 U	37 U	330 U
PHC	COAL TAR OIL	MG/KG	NS	NS	NS	13 U	16 U	25 U	14 U	15 U	130 U
PHC	KEROSENE	MG/KG	NS	NS	NS	13 U	16 U	25 U	14 U	15 U	130 U
PHC	MINERAL SPIRITS	MG/KG	NS	NS	NS	13 U	16 U	25 U	14 U	15 U	130 U
PHC	MOTOR OILS	MG/KG	NS	NS	NS	33 U	39 U	62 U	36 U	190	1300 J
PHC	PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL OIL	MG/KG	NS	NS	NS	13 U	16 U	25 U	14 U	15 U	130 U
PHC	SPECIFIC IDENTIFICATION OF GASOLINE	MG/KG	NS	NS	NS	13 U	16 U	25 U	14 U	15 U	130 U
PHC	GC-FID SCANNING RESULTS	N/A	N/A	N/A	N/A	Not identified as a PHC (listed above)	Not identified as a PHC (listed above)	Not identified as a PHC (listed above)	Not identified as a PHC (listed above)	Identified as potential motor oil or lubricating oil	Identified as potential motor oil or lubricating oil

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
PHC = Petroleum hydrocarbon
GC-FID = Gas chromatography fingerprint identification
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TR = Trench
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Table B5-5

Soil - Analytical Results - Trench Samples
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SB-R-TR-05 SB-R-TR-05(5.0-5.5) 08/22/06	AREA III MAINTENANCE SB-R-TR-03 SB-R-TR-03(4.5-5.0) 08/22/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	680 U	710 U
VOCS	ETHYLBENZENE	UG/KG	100000	1000000	1000000	680 U	710 U
VOCS	TERT-BUTYL METHYL ETHER	UG/KG	NS	NS	NS	680 U	710 U
VOCS	TOLUENE	UG/KG	500000	1000000	1000000	680 U	710 U
VOCS	XYLENES, TOTAL	UG/KG	67000	410000	1000000	680 U	710 U
SVOCS	1-METHYLNAPHTHALENE	UG/KG	NS	NS	NS	180 U	190 U
SVOCS	2-METHYLNAPHTHALENE	UG/KG	NS	NS	NS	180 U	190 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	180 U	190 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	180 U	190 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	180 U	40 J
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	180 U	75 J
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	180 U	71 J
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	180 U	140 J
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	180 U	54 J
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	180 U	45 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	180 U	120 J
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	180 U	190 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	180 U	120 J
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	180 U	190 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	180 U	64 J
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	180 U	190 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	180 U	54 J
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	180 U	150 J
PHC	#6 FUEL OIL	MG/KG	NS	NS	NS	33 U	67 U
PHC	COAL TAR OIL	MG/KG	NS	NS	NS	13 U	27 U
PHC	KEROSENE	MG/KG	NS	NS	NS	13 U	27 U
PHC	MINERAL SPIRITS	MG/KG	NS	NS	NS	13 U	27 U
PHC	MOTOR OILS	MG/KG	NS	NS	NS	150	520
PHC	PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL OIL	MG/KG	NS	NS	NS	13 U	27 U
PHC	SPECIFIC IDENTIFICATION OF GASOLINE	MG/KG	NS	NS	NS	13 U	27 U
PHC	GC-FID SCANNING RESULTS	N/A	N/A	N/A	N/A	Identified as potential motor oil or lubricating oil	Identified as potential motor oil or lubricating oil

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
PHC = Petroleum hydrocarbon
GC-FID = Gas chromatography fingerprint identification
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SB = Soil boring
TR = Trench
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Table B5-6

Soil - Exceedance Summary - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III DIAZO TP-R-H8-01A-04 TP-R-88-01A-04(3.0-3.5) 12/20/06		AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(1.5-2.0) 12/20/06		AREA III DIAZO TP-R-H8-01A-05 TP-R-88-01A-05(8.0-8.5) 12/20/06	
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result		Result		Result	
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	270		79 J		-	
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	-		-		2500	
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	-		-		1000	
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	-		-		2700	
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	-		-		1300	
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	-		-		2300 J	
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	130000		-		-	

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
TP = Test pit
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-7

Soil - Exceedance Summary - Trench Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area			AREA III
			Location ID			A-LINE
			Field Sample ID			SB-R-TR-02
			Sample Date			SB-R-TR-02(4.0-4.5)
						08/21/06
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
VOCS	BENZENE	UG/KG	1000	3000	13000	7500

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
SB = Soil boring
TR = Trench
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC

Table B5-8

Soil - Incomplete Vertical Delineation - DDNP Pond Samples
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

Remedial Area	Former Operational Area	Location ID	Field Sample ID	Analytical Group	RDCSCC Exceedance	NRDCSCC Exceedance	IGWSCC Exceedance
AREA III	DIAZO	TP-R-H8-01A-05	TP-R-88-01A-05(8.0-8.5)	SVOCS	Y	Y	-
AREA III	DIAZO	TP-R-H8-01A-05	TP-R-88-01A-05(8.0-8.5)	E&E	-	-	Y

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
TP = Test pit
Y = Maximum vertical sample was identified by laboratory analysis at concentrations exceeding the RDCSCC, NRDCSCC, or IGWSCC for analytical group indicated on table

Table B5-9

Soil - SI Analytical Samples Compared to Updated Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE J11-B83-01 SB-J11-B83-01 (0 - 1.5) 05/18/00	AREA I B-LINE K10-2197-05 SB-K10-2197-05 (0 - 1.25) 05/18/00	AREA I B-LINE K11-2300-05 SB-K11-2300-05 (0 - 1.5) 05/18/00	AREA I B-LINE K11-2302-05 SB-K11-2302-05 (0 - 0.75) 05/18/00	AREA I B-LINE L10-2191-02 SB-L10-2191-02 (0 - 1.5) 05/16/00
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	-	-	-	-	980
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	-	-	-	-	-
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	15600000	11600000	13900000	73900000	23200000

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
NA = Not analyzed
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-9

Soil - SI Analytical Samples Compared to Updated Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE N9-2267-03 SB-N9-2267-03 (0 - 1.5) 06/15/00	AREA I FINISHING I7-2124-05 SB-I7-2124-05 (0 - 2) 04/20/00	AREA I FINISHING I8-2328A-03 SB-I8-2328A-03 (0 - 1) 07/19/00	AREA I STORAGE J10-9334-01 SB-J10-9334-01 (0 - 0.5) 05/05/00	AREA I STORAGE K7-2126-03 SB-K7-2126-03 (0 - 2) 04/28/00
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	-	-	-	-	NA
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	-	380 YJY	-	-	NA
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	-	-	-	-	NA
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	14500000	-	14900000	47500000	15900000

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
NA = Not analyzed
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-9

Soil - SI Analytical Samples Compared to Updated Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT A12-4-02 SB-A12-4-02 (0 - 1.25) 06/08/00	AREA II TNT A12-6-02 SB-A12-6-02 (0 - 2) 06/08/00	AREA II TNT B11-523-01 SB-B11-523-01 (0 - 2) 06/08/00	AREA II TNT B11-663-06 SB-B11-663-06 (0 - 4) 06/08/00	AREA III A-LINE E10-2101-12 SB-E10-2101-12 (0 - 1) 03/16/00
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	-	-	-	-	-
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	40.7 J	177 J	169 J	33.3 J	-
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	-	-	NA	-	33200000

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
NA = Not analyzed
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-9

Soil - SI Analytical Samples Compared to Updated Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE F10-3-07 SB-F10-3-07 (0 - 1) 06/16/00	AREA III A-LINE F8-2107-05 SB-F8-2107-05 (0 - 0.5) 03/21/00	AREA III A-LINE F9-2109-05 SB-F9-2109-05 (0 - 1.5) 07/12/00	AREA III A-LINE G7-2115-06 SB-G7-2115-06 (0 - 0.5) 12/21/99	AREA III A-LINE G7-2115-07 SB-G7-2115-07 (0 - 1) 12/21/99
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	-	-	-	-	-
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	-	-	-	-	-
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	-	-	-	-	-
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	13600000	11800000 J	14000000 J	23400000 J	33700000 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
NA = Not analyzed
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-9

Soil - SI Analytical Samples Compared to Updated Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III MAINTENANCE G10-8106B-04 SB-G10-8106B-04 (0 - 1) 11/30/99
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	-
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	-
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	330 J
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	NA

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
NA = Not analyzed
SB = Soil boring
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-10

Soil - SI Sediment Analytical Samples Compared to Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SD-J10-2-01 SD-J10-2-01 04/20/01	AREA I B-LINE SD-K11-1-01 SD-K11-1-01 04/19/01	AREA I DEVELOPMENT SD-H6-1-01 SD-H6-1-01 04/24/01	AREA I FINISHING SD-I7-1-01 SD-I7-1-01 04/19/01	AREA I FINISHING SD-I8-1-01 SD-I8-1-01 04/19/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	160 U	190 U	110 U	170 U	140 U
VOCS	1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	160 U	190 U	110 U	170 U	140 U
VOCS	1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	160 U	190 U	110 U	170 U	140 U
VOCS	1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	160 U	190 U	110 U	170 U	140 U
VOCS	1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	160 U	190 U	110 U	170 U	140 U
VOCS	1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	160 U	190 U	110 U	170 U	140 U
VOCS	1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	160 U	190 U	110 U	170 U	140 U
VOCS	1,2-DICHLOROPROPANE	UG/KG	NS	10000	43000	160 U	190 U	110 U	170 U	140 U
VOCS	2-CHLOROETHYL VINYL ETHER	UG/KG	NS	NS	NS	310 U	370 U	210 U	330 U	290 U
VOCS	ACROLEIN	UG/KG	NS	NS	NS	3100 U	3700 U	2100 U	3300 R	2900 R
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	630 U	740 U	430 U	660 U	580 U
VOCS	BENZENE	UG/KG	1000	3000	13000	160 U	190 U	110 U	170 U	140 U
VOCS	BROMOFORM	UG/KG	1000	86000	370000	160 U	190 U	210 U	170 U	140 U
VOCS	BROMOMETHANE	UG/KG	1000	79000	1000000	310 U	370 U	210 UJ	330 U	290 U
VOCS	CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	160 U	190 U	110 U	170 U	140 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	160 U	190 U	110 U	170 U	140 U
VOCS	CHLOROETHANE	UG/KG	NS	NS	NS	310 U	370 U	210 U	330 U	290 U
VOCS	CHLOROFORM	UG/KG	1000	19000	28000	160 U	190 U	110 U	170 U	140 U
VOCS	CHLOROMETHANE	UG/KG	10000	520000	1000000	310 U	370 U	210 U	330 U	290 U
VOCS	CIS-1,3-DICHLOROPROPENE	UG/KG	NS	NS	NS	160 U	190 U	110 U	170 U	140 U
VOCS	DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	160 U	190 U	110 U	170 U	140 U
VOCS	ETHYLBENZENE	UG/KG	100000	1000000	1000000	160 U	190 U	110 U	170 U	140 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	310 U	370 U	210 U	330 U	290 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	160 U	190 U	110 U	170 U	140 U
VOCS	TOLUENE	UG/KG	500000	1000000	1000000	160 U	190 U	110 U	170 U	140 U
VOCS	TRANS-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	160 U	190 U	110 U	170 U	140 U
VOCS	TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	160 U	190 U	110 U	170 U	140 U
VOCS	VINYL CHLORIDE	UG/KG	10000	2000	7000	160 U	190 U	110 U	170 U	140 U
VOCS	XYLENES, TOTAL	UG/KG	67000	410000	1000000	160 U	190 U	110 U	170 U	140 U
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	780 UJ	920 UJ	670 UJ	830 U	830 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	78 U	92 U	67 U	83 U	83 UJ
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	38 U	45 U	33 U	41 U	41 UJ
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	78 U	92 U	67 U	83 U	83 UJ
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	200 U	230 U	170 U	210 U	210 UJ

Table B5-10

Soil - SI Sediment Analytical Samples Compared to Soil Criteria
Volume B - Remedial Investigation Report
Hercules Incorporated
Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SD-J10-2-01 SD-J10-2-01 04/20/01	AREA I B-LINE SD-K11-1-01 SD-K11-1-01 04/19/01	AREA I DEVELOPMENT SD-H6-1-01 SD-H6-1-01 04/24/01	AREA I FINISHING SD-I7-1-01 SD-I7-1-01 04/19/01	AREA I FINISHING SD-I8-1-01 SD-I8-1-01 04/19/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	78 U	92 U	67 U	83 U	83 UJ
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	38 U	45 U	33 U	41 U	41 UJ
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	200 U	230 U	170 U	210 U	210 UJ
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	38 U	50 J	140 J	41 U	41 UJ
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	38 U	67 J	170 J	41 U	41 UJ
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	780 U	920 U	670 U	830 U	830 UJ
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	92 J	320 J	640	41 U	41 UJ
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	110 J	350 J	680	41 U	41 UJ
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	150 J	450 J	840	41 U	75 J
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	74 J	200 J	400	41 U	41 UJ
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	54 J	200 J	340	41 U	41 UJ
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	78 U	92 U	67 U	83 U	83 UJ
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	78 U	92 U	84 J	83 U	100 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	140 J	410 J	780	41 U	49 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	180 J	230 J	67 U	83 U	1200 J
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	38 U	63 J	120 J	41 U	41 UJ
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	78 U	92 U	67 U	83 U	770 J
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	190 J	550	1300	41 U	50 J
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	38 U	45 U	59 J	41 U	41 UJ
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	200 U	230 U	170 U	210 U	210 UJ
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	73 J	220 J	460	41 U	41 UJ
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	38 U	45 U	33 U	41 U	41 UJ
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	78 U	92 U	67 U	83 U	83 UJ
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	38 U	45 U	33 U	41 U	650 J
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	38 U	45 U	33 U	41 U	41 UJ
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	200 U	230 U	170 U	210 U	210 UJ
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	110 J	190 J	640	41 U	41 UJ
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	78 U	92 U	67 U	83 U	83 UJ
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	260 J	670	1500	41 U	45 J
METALS	ANTIMONY	MG/KG	NS	14	340	0.65 UJ	0.65 UJ	0.74 UJ	0.8 U	0.8 U
METALS	ARSENIC	MG/KG	NS	20	20	3.7	4.2	5.1	6.1 J	8 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.51	0.53	0.64	0.84	0.63
METALS	CADMIUM	MG/KG	NS	39	100	0.055 U	0.055 U	0.062 U	0.068 UN	0.068 UN

Table B5-10

Soil - SI Sediment Analytical Samples Compared to Soil Criteria
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Hercules Incorporated
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				Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I B-LINE SD-J10-2-01 SD-J10-2-01 04/20/01	AREA I B-LINE SD-K11-1-01 SD-K11-1-01 04/19/01	AREA I DEVELOPMENT SD-H6-1-01 SD-H6-1-01 04/24/01	AREA I FINISHING SD-I7-1-01 SD-I7-1-01 04/19/01	AREA I FINISHING SD-I8-1-01 SD-I8-1-01 04/19/01
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
METALS	CHROMIUM, TOTAL		MG/KG	NS	120000	NS	12.1	11.3	14.8	20.8 N*	161 N*
METALS	COPPER		MG/KG	NS	600	600	10.7 N*	11.8 N*	21.9	12.9 J	38.7 J
METALS	LEAD		MG/KG	NS	400	600	12.6 *	10.6 *	38 J	9.9 B	578
METALS	MERCURY		MG/KG	NS	14	270	0.032 B	0.017 B	0.14	0.048 J	0.11 J
METALS	NICKEL		MG/KG	NS	250	2400	9	8.3	11.2	11	11.1
METALS	SELENIUM		MG/KG	NS	63	3100	0.48 U	0.48 B	0.73 B	0.59 U	0.59 U
METALS	SILVER		MG/KG	NS	110	4100	0.14 U	0.14 U	0.19 B	0.17 U	0.17 U
METALS	THALLIUM		MG/KG	NS	2	2	0.85 U	0.85 U	0.96 U	2.8 B	2 B
METALS	ZINC		MG/KG	NS	1500	1500	49.3 *	49.1 *	89.3 J	41.7 N*	97.3 N*
E&E	1,3,5-TRINITROBENZENE		UG/KG	NS	2300000	10000000	120 U	140 U	100 U	120 U	120 U
E&E	1,3-DINITROBENZENE		UG/KG	20	7800	100000	120 U	140 U	100 U	120 U	120 U
E&E	2,4,6-TRINITROTOLUENE		UG/KG	40	21000	95000	120 U	140 U	100 U	120 U	6920
E&E	2-AMINO-4,6-DINITROTOLUENE		UG/KG	40	4700	61000	120 U	140 U	100 U	120 U	120 U
E&E	2-NITROTOLUENE		UG/KG	NS	780000	10000000	120 U	140 U	100 U	120 U	120 U
E&E	3-NITROTOLUENE		UG/KG	NS	1600000	10000000	120 U	140 U	100 U	120 U	120 U
E&E	4-AMINO-2,6-DINITROTOLUENE		UG/KG	NS	4700	61000	120 U	140 U	100 U	120 U	120 U
E&E	4-NITROTOLUENE		UG/KG	NS	780000	10000000	120 U	140 U	100 U	120 U	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		UG/KG	NS	5800	26000	120 U	140 U	100 U	120 U	120 U
E&E	NITROBENZENE		UG/KG	10000	39000	510000	120 U	140 U	100 U	120 U	120 U
E&E	NITROCELLULOSE		UG/KG	NS	10000000	10000000	70000 U	82000 U	60000 U	74000 U	500000 J
E&E	NITROGLYCERIN		UG/KG	NS	46000	200000	2300 U	2700 U	2000 U	2500 U	5000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)		UG/KG	NS	3900000	10000000	120 U	140 U	100 U	120 U	120 U
E&E	PENTAERYTHRITOL TETRANITRATE		UG/KG	NS	NS	NS	2300 U	2700 U	2000 U	2500 U	2500 U
E&E	TETRYL		UG/KG	NS	780000	10000000	120 U	140 U	100 U	120 U	120 U
GENERAL CHEMISTRY		TOTAL ORGANIC CARBON	MG/KG	NS	NS	NS	20500	6900	18800	12100	19200

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SD = Sediment
* = Value obtained from a 1:5 dilution
B = Indicates that the compound was found in the associated blank.
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
N = Flashpoint not observed, heated to specific limit
R = Rejected based on data validation
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - SI Sediment Analytical Samples Compared to Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SD-I10-2-01 SD-I10-2-01 04/18/01	AREA I STORAGE SD-J10-1-01 SD-J10-1-01 04/20/01	AREA I STORAGE SD-P4-1-01 SD-P4-1-01 04/23/01	AREA I STORAGE SD-P4-2-01 SD-P4-2-01 04/23/01	AREA II DYNAMITE SD-C14-1-01 SD-C14-1-01 04/12/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	220 U	150 U	300 U	480 U	130 U
VOCS	1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	220 U	150 U	300 U	480 U	130 U
VOCS	1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	220 U	150 U	300 U	480 U	130 U
VOCS	1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	220 U	150 U	300 U	480 U	130 U
VOCS	1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	220 U	150 U	300 U	480 U	130 U
VOCS	1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	220 U	150 U	300 U	480 U	130 U
VOCS	1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	220 U	150 U	300 U	480 U	130 U
VOCS	1,2-DICHLOROPROPANE	UG/KG	NS	10000	43000	220 U	150 U	300 U	480 U	130 U
VOCS	2-CHLOROETHYL VINYL ETHER	UG/KG	NS	NS	NS	440 U	290 U	590 U	960 U	260 U
VOCS	ACROLEIN	UG/KG	NS	NS	NS	4400 R	2900 U	5900 U	9500 U	2600 R
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	890 U	590 U	1200 U	1900 U	520 U
VOCS	BENZENE	UG/KG	1000	3000	13000	220 U	150 U	300 U	480 U	130 U
VOCS	BROMOFORM	UG/KG	1000	86000	370000	220 U	150 U	300 U	480 U	130 U
VOCS	BROMOMETHANE	UG/KG	1000	79000	1000000	440 U	290 U	590 U	960 U	260 U
VOCS	CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	220 U	150 U	300 U	480 U	130 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	220 U	150 U	300 U	480 U	130 U
VOCS	CHLOROETHANE	UG/KG	NS	NS	NS	440 U	290 U	590 U	960 U	260 U
VOCS	CHLOROFORM	UG/KG	1000	19000	28000	220 U	150 U	300 U	480 U	130 U
VOCS	CHLOROMETHANE	UG/KG	10000	520000	1000000	440 U	290 U	590 U	960 U	260 U
VOCS	CIS-1,3-DICHLOROPROPENE	UG/KG	NS	NS	NS	220 U	150 U	300 U	480 U	130 U
VOCS	DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	220 U	150 U	300 U	480 U	130 U
VOCS	ETHYLBENZENE	UG/KG	100000	1000000	1000000	220 U	150 U	300 U	480 U	130 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	440 U	290 U	590 U	960 U	260 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	220 U	150 U	300 U	480 U	130 U
VOCS	TOLUENE	UG/KG	500000	1000000	1000000	220 U	150 U	300 U	480 U	130 U
VOCS	TRANS-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	220 U	150 U	300 U	480 U	130 U
VOCS	TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	220 U	150 U	300 U	480 U	130 U
VOCS	VINYL CHLORIDE	UG/KG	10000	2000	7000	220 U	150 U	300 U	480 U	130 U
VOCS	XYLENES, TOTAL	UG/KG	67000	410000	1000000	220 U	150 U	300 U	480 U	130 U
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	44 U	83 U	64 U	120 U	40 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	44 U	83 U	64 U	120 U	40 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	44 U	83 U	64 U	120 U	40 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	44 U	83 U	64 U	120 U	40 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	44 U	83 U	64 U	120 U	40 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	90 U	160 U	130 U	250 U	80 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	90 U	160 U	130 U	250 U	80 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	90 U	160 U	130 U	250 U	80 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	900 U	1600 UJ	1300 UJ	2500 U	800 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	90 U	7910 J	130 U	250 U	640 J
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	44 U	83 U	64 U	120 U	40 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	44 U	83 U	64 U	120 U	40 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	90 U	160 U	130 U	250 U	80 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	90 U	160 U	130 U	250 U	80 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	230 U	410 U	330 U	630 U	200 U

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Soil - SI Sediment Analytical Samples Compared to Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SD-I10-2-01 SD-I10-2-01 04/18/01	AREA I STORAGE SD-J10-1-01 SD-J10-1-01 04/20/01	AREA I STORAGE SD-P4-1-01 SD-P4-1-01 04/23/01	AREA I STORAGE SD-P4-2-01 SD-P4-2-01 04/23/01	AREA II DYNAMITE SD-C14-1-01 SD-C14-1-01 04/12/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	90 U	160 U	130 U	250 U	80 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	90 U	160 U	130 U	250 U	80 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	44 U	83 U	64 U	120 U	40 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	230 U	410 U	330 U	630 U	200 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	44 U	83 U	64 U	120 U	40 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	48 J	83 U	64 U	120 U	40 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	51 J	93 J	64 U	120 U	40 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	900 U	1600 U	1300 U	2500 U	800 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	150 J	270 J	64 U	120 U	40 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	160 J	350 J	64 U	120 U	40 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	220 J	1200	64 U	120 U	40 U
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	130 J	180 J	64 U	120 U	40 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	90 J	430 J	64 U	120 U	40 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	90 U	160 U	130 U	250 U	80 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	90 U	160 U	130 U	250 U	80 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	44 U	83 U	64 U	120 U	40 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	44 U	83 U	64 U	120 U	40 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	90 U	160 U	130 U	250 U	80 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	200 J	580 J	64 U	120 U	40 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	90 U	160 U	130 U	250 U	80 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	90 U	160 U	130 U	250 U	80 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	44 U	99 J	64 U	120 U	40 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	90 U	160 U	130 U	250 U	80 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	90 U	160 U	130 U	250 U	80 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	290 J	510 J	81 J	120 U	40 U
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	44 U	83 U	64 U	120 U	40 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	44 U	83 U	64 U	120 U	40 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	90 U	160 U	130 U	250 U	80 U
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	230 U	410 U	330 U	630 U	200 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	44 U	83 U	64 U	120 U	40 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	130 J	230 J	64 U	120 U	40 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	44 U	83 U	64 U	120 U	40 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	44 U	83 U	64 U	120 U	40 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	90 U	160 U	130 U	630 U	80 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	44 U	83 U	64 U	120 U	40 U
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	44 U	83 U	64 U	120 U	40 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	230 U	410 U	330 U	630 U	200 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	170 J	160 J	80 J	120 U	40 U
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	90 U	160 U	130 U	250 U	80 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	320 J	510 J	86 J	120 U	40 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.87 U	0.65 UJ	0.65 UJ	0.65 UJ	0.85 B
METALS	ARSENIC	MG/KG	NS	20	20	4.7 J	14.1	2.8	1.4	3.9 J
METALS	BERYLLIUM	MG/KG	NS	2	2	0.73	0.61	0.43 B	0.43 B	0.66
METALS	CADMIUM	MG/KG	NS	39	100	0.074 UN	0.055 U	0.055 U	0.13 B	0.064 U

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Soil - SI Sediment Analytical Samples Compared to Soil Criteria
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				Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA I STORAGE SD-I10-2-01 SD-I10-2-01 04/18/01	AREA I STORAGE SD-J10-1-01 SD-J10-1-01 04/20/01	AREA I STORAGE SD-P4-1-01 SD-P4-1-01 04/23/01	AREA I STORAGE SD-P4-2-01 SD-P4-2-01 04/23/01	AREA II DYNAMITE SD-C14-1-01 SD-C14-1-01 04/12/01
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
METALS	CHROMIUM, TOTAL		MG/KG	NS	120000	NS	19 N*	14.1	8.6	4.5	18
METALS	COPPER		MG/KG	NS	600	600	15.4 J	58.4 N*	6.1 N*	6 N*	15.1
METALS	LEAD		MG/KG	NS	400	600	18.8	39.2 *	23.3 *	34.1 *	23.1
METALS	MERCURY		MG/KG	NS	14	270	0.73 J	0.091 B	0.04 B	0.1	0.072 J
METALS	NICKEL		MG/KG	NS	250	2400	11.3	9.1	5	3.1 B	9
METALS	SELENIUM		MG/KG	NS	63	3100	0.64 U	1.2	0.84 B	0.88 B	1.3
METALS	SILVER		MG/KG	NS	110	4100	0.19 U	0.14 U	0.14 U	0.14 B	0.16 U
METALS	THALLIUM		MG/KG	NS	2	2	3.1 B	0.85 U	0.85 U	0.85 U	1.3 B
METALS	ZINC		MG/KG	NS	1500	1500	96.3 N*	104 *	65 *	29.7 *	59.3
E&E	1,3,5-TRINITROBENZENE		UG/KG	NS	2300000	10000000	130 U	120 U	190 U	370 U	120 U
E&E	1,3-DINITROBENZENE		UG/KG	20	7800	100000	130 U	120 U	190 U	370 U	120 U
E&E	2,4,6-TRINITROTOLUENE		UG/KG	40	21000	95000	130 U	120 U	190 U	370 U	480 J
E&E	2-AMINO-4,6-DINITROTOLUENE		UG/KG	40	4700	61000	130 U	120 U	190 U	370 U	1120 J
E&E	2-NITROTOLUENE		UG/KG	NS	780000	10000000	130 U	120 U	190 U	370 U	120 U
E&E	3-NITROTOLUENE		UG/KG	NS	1600000	10000000	130 U	120 U	190 U	370 U	120 U
E&E	4-AMINO-2,6-DINITROTOLUENE		UG/KG	NS	4700	61000	130 U	120 U	190 U	370 U	1280
E&E	4-NITROTOLUENE		UG/KG	NS	780000	10000000	130 U	120 U	190 U	370 U	120 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		UG/KG	NS	5800	26000	130 U	120 U	190 U	370 U	120 U
E&E	NITROBENZENE		UG/KG	10000	39000	510000	130 U	120 U	190 U	370 U	120 U
E&E	NITROCELLULOSE		UG/KG	NS	10000000	10000000	80000 U	1300000	120000 U	220000 U	72000 U
E&E	NITROGLYCERIN		UG/KG	NS	46000	200000	2700 U	2500 U	3900 U	7400 U	2400 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)		UG/KG	NS	3900000	10000000	130 U	120 U	190 U	370 U	120 U
E&E	PENTAERYTHRITOL TETRANITRATE		UG/KG	NS	NS	NS	2700 U	2500 U	3900 U	7400 U	2400 U
E&E	TETRYL		UG/KG	NS	780000	10000000	130 U	250 U	190 U	370 U	120 U
GENERAL CHEMISTRY		TOTAL ORGANIC CARBON	MG/KG	NS	NS	NS	12200	50300	136000	205000	20700 J

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SD = Sediment
* = Value obtained from a 1:5 dilution
B = Indicates that the compound was found in the associated blank.
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
N = Flashpoint not observed, heated to specific limit
R = Rejected based on data validation
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-10

Soil - SI Sediment Analytical Samples Compared to Soil Criteria
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			Remedial Area Former Operational Area			AREA II MISCELLANEOUS/OFFSITE	AREA II MISCELLANEOUS/OFFSITE	AREA II NG	AREA II NG
			Location ID Field Sample ID Sample Date			SD-B14-1-01 SD-B14-1-01 04/12/01	SD-B14-3-01 SD-B14-3-01 04/12/01	SD-C10-3-01 SD-C10-3-01 05/02/01	SD-C10-4-01 SD-C10-4-01 05/02/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
VOCS	BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	140 U	320 U	220 UJ	150 U
VOCS	1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	140 U	320 U	220 UJ	150 U
VOCS	1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	140 U	320 U	220 UJ	150 U
VOCS	1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	140 U	320 U	220 UJ	150 U
VOCS	1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	140 U	320 U	220 UJ	150 U
VOCS	1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	140 U	320 U	220 UJ	150 U
VOCS	1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	140 U	320 U	220 UJ	150 U
VOCS	1,2-DICHLOROPROPANE	UG/KG	NS	10000	43000	140 U	320 U	220 UJ	150 U
VOCS	2-CHLOROETHYL VINYL ETHER	UG/KG	NS	NS	NS	290 U	640 U	440 UJ	300 U
VOCS	ACROLEIN	UG/KG	NS	NS	NS	2900 R	6400 R	4400 UJ	3000 U
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	580 U	1300 U	870 UJ	610 U
VOCS	BENZENE	UG/KG	1000	3000	13000	140 U	320 U	220 UJ	150 U
VOCS	BROMOFORM	UG/KG	1000	86000	370000	140 U	320 U	220 UJ	150 U
VOCS	BROMOMETHANE	UG/KG	1000	79000	1000000	290 U	640 U	440 UJ	300 U
VOCS	CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	140 U	320 U	220 UJ	150 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	140 U	320 U	220 UJ	150 U
VOCS	CHLOROETHANE	UG/KG	NS	NS	NS	290 U	640 U	440 UJ	300 U
VOCS	CHLOROFORM	UG/KG	1000	19000	28000	140 U	320 U	220 UJ	150 U
VOCS	CHLOROMETHANE	UG/KG	10000	520000	1000000	290 U	640 U	440 UJ	300 U
VOCS	CIS-1,3-DICHLOROPROPENE	UG/KG	NS	NS	NS	140 U	320 U	220 UJ	150 U
VOCS	DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	140 U	320 U	220 UJ	150 U
VOCS	ETHYLBENZENE	UG/KG	100000	1000000	1000000	140 U	320 U	220 UJ	150 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	290 U	640 U	440 UJ	300 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	140 U	320 U	220 UJ	150 U
VOCS	TOLUENE	UG/KG	500000	1000000	1000000	140 U	320 U	220 UJ	150 U
VOCS	TRANS-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	140 U	320 U	220 UJ	150 U
VOCS	TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	140 U	320 U	220 UJ	150 U
VOCS	VINYL CHLORIDE	UG/KG	10000	2000	7000	140 U	320 U	220 UJ	150 U
VOCS	XYLENES, TOTAL	UG/KG	67000	410000	1000000	140 U	320 U	220 UJ	150 U
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	45 U	86 U	40 U	44 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	45 U	86 U	40 U	44 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	45 U	86 U	40 U	44 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	45 U	86 U	40 U	44 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	45 U	86 U	40 U	44 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	91 U	180 U	82 U	89 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	91 U	180 U	82 U	89 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	91 U	180 U	82 U	89 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	910 U	1800 U	820 U	890 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	1190 J	180 U	82 U	89 U
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	45 U	86 U	40 U	44 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	45 U	86 U	40 U	44 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	91 U	180 U	82 U	89 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	91 U	180 U	82 U	89 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	500 J	450 U	210 U	230 U

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			Remedial Area Former Operational Area			AREA II MISCELLANEOUS/OFFSITE	AREA II MISCELLANEOUS/OFFSITE	AREA II NG	AREA II NG
			Location ID			SD-B14-1-01	SD-B14-3-01	SD-C10-3-01	SD-C10-4-01
			Field Sample ID			SD-B14-1-01	SD-B14-3-01	SD-C10-3-01	SD-C10-4-01
			Sample Date			04/12/01	04/12/01	05/02/01	05/02/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	91 U	180 U	82 U	89 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	91 U	180 U	82 U	89 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	45 U	86 U	40 U	44 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	230 U	450 U	210 U	230 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	45 U	86 U	40 U	44 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	45 U	86 U	40 U	44 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	45 U	86 U	180 J	44 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	910 U	1800 U	820 U	890 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	45 U	86 U	670	44 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	47 J	86 U	380 J	44 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	85 J	86 U	770	57 J
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	45 U	86 U	310 J	44 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	45 U	86 U	280 J	44 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	91 U	180 U	82 U	89 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	91 U	180 U	82 U	89 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	45 U	86 U	40 U	44 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	45 U	86 U	40 U	44 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	91 U	180 U	190 J	350 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	75 J	86 U	760	46 J
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	91 U	180 U	82 U	89 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	91 U	180 U	82 U	89 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	45 U	86 U	99 J	44 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	91 U	180 U	82 U	89 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	91 U	180 U	82 U	89 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	130 J	86 U	1500	110 J
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	45 U	86 U	40 U	44 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	45 U	86 U	40 U	44 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	91 U	180 U	82 U	89 U
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	230 U	450 U	210 U	230 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	45 U	86 U	40 U	44 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	45 U	86 U	390 J	44 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	45 U	86 U	40 U	44 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	45 U	86 U	40 U	44 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	91 U	180 U	210 U	230 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	45 U	86 U	40 U	44 U
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	45 U	86 U	40 U	44 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	230 U	450 U	210 U	230 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	72 J	86 U	1200	47 J
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	91 U	180 U	82 U	89 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	100 J	86 U	1400	44 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.84 U	1.7 U	2.6 J	0.86 J
METALS	ARSENIC	MG/KG	NS	20	20	6.8 J	1.5 J	7.9	4.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.74	0.87 B	0.045 B	0.069 B
METALS	CADMIUM	MG/KG	NS	39	100	0.071 U	0.15 B	0.065 U	0.073 U

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			Remedial Area Former Operational Area			AREA II MISCELLANEOUS/OFFSITE	AREA II MISCELLANEOUS/OFFSITE	AREA II NG	AREA II NG
			Location ID			SD-B14-1-01	SD-B14-3-01	SD-C10-3-01	SD-C10-4-01
			Field Sample ID			SD-B14-1-01	SD-B14-3-01	SD-C10-3-01	SD-C10-4-01
			Sample Date			04/12/01	04/12/01	05/02/01	05/02/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result
METALS	CHROMIUM, TOTAL	MG/KG	NS	120000	NS	19.5	24.7	6.9 J	6.4 J
METALS	COPPER	MG/KG	NS	600	600	46.1	10.2 B	12 J	3.3 J
METALS	LEAD	MG/KG	NS	400	600	163	24.4 B	5490	2290
METALS	MERCURY	MG/KG	NS	14	270	0.1 J	0.092 J	0.1 B	0.11 B
METALS	NICKEL	MG/KG	NS	250	2400	11.3	7.4 B	2.9 B	2.6 B
METALS	SELENIUM	MG/KG	NS	63	3100	1.7	1.3 U	0.64 B	0.64 U
METALS	SILVER	MG/KG	NS	110	4100	0.18 U	0.37 U	0.17 U	0.19 U
METALS	THALLIUM	MG/KG	NS	2	2	1.5 B	2.2 U	1 U	1.1 U
METALS	ZINC	MG/KG	NS	1500	1500	80.1	54.1	14.5 N	13.8 N
E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	140 U	260 U	120 U	130 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	140 U	260 U	120 U	130 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	6540 J	260 U	120 U	130 U
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	140 U	260 U	120 U	130 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	140 U	260 U	120 U	130 U
E&E	3-NITROTOLUENE	UG/KG	NS	1600000	10000000	140 U	260 U	120 U	130 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	530	260 U	120 U	130 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	140 U	260 U	120 U	130 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	140 U	260 U	120 U	130 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	140 U	260 U	120 U	130 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	103000 J	160000 U	74000 UJ	80000 UJ
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	2700 U	5200 U	2500 U	2700 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	140 U	260 U	120 U	130 U
E&E	PENTAERYTHRITOL TETRANITRATE	UG/KG	NS	NS	NS	2700 U	5200 U	2500 U	2700 U
E&E	TETRYL	UG/KG	NS	780000	10000000	140 U	260 U	120 U	130 U
GENERAL CHEMISTRY	TOTAL ORGANIC CARBON	MG/KG	NS	NS	NS	38800 J	98000 J	5600	4800

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SD = Sediment
* = Value obtained from a 1:5 dilution
B = Indicates that the compound was found in the associated blank.
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
N = Flashpoint not observed, heated to specific limit
R = Rejected based on data validation
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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Soil - SI Sediment Analytical Samples Compared to Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SD-C11-1-01 SD-C11-1-01 05/01/01	AREA II NG SD-D10-1-01 SD-D10-1-01 05/01/01	AREA II PETN SD-C10-2-01 SD-C10-2-01 05/02/01	AREA II TNT SD-B13-1-01 SD-B13-1-01 05/01/01	AREA II TNT SD-B13-2-01 SD-B13-2-01 05/01/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	240 UJ	130 U	140 U	150 U	140 U
VOCS	1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	240 UJ	130 U	140 U	150 U	140 U
VOCS	1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	240 UJ	130 U	140 U	150 U	140 U
VOCS	1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	240 UJ	130 U	140 U	150 U	140 U
VOCS	1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	240 UJ	130 U	140 U	150 U	140 U
VOCS	1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	240 UJ	130 U	140 U	150 U	140 U
VOCS	1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	240 UJ	130 U	140 U	150 U	140 U
VOCS	1,2-DICHLOROPROPANE	UG/KG	NS	10000	43000	240 UJ	130 U	140 U	150 U	140 U
VOCS	2-CHLOROETHYL VINYL ETHER	UG/KG	NS	NS	NS	480 UJ	260 U	270 U	290 U	280 U
VOCS	ACROLEIN	UG/KG	NS	NS	NS	4800 R	2600 U	2700 U	2900 U	2800 R
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	960 UJ	510 U	540 U	590 U	570 U
VOCS	BENZENE	UG/KG	1000	3000	13000	240 UJ	130 U	140 U	150 U	140 U
VOCS	BROMOFORM	UG/KG	1000	86000	370000	240 UJ	130 U	140 U	150 U	140 U
VOCS	BROMOMETHANE	UG/KG	1000	79000	1000000	480 UJ	260 U	270 U	290 U	280 U
VOCS	CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	240 UJ	130 U	140 U	150 U	140 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	240 UJ	130 U	140 U	150 U	140 U
VOCS	CHLOROETHANE	UG/KG	NS	NS	NS	480 UJ	260 U	270 U	290 U	280 U
VOCS	CHLOROFORM	UG/KG	1000	19000	28000	240 UJ	130 U	140 U	150 U	140 U
VOCS	CHLOROMETHANE	UG/KG	10000	520000	1000000	480 UJ	260 U	270 U	290 U	280 U
VOCS	CIS-1,3-DICHLOROPROPENE	UG/KG	NS	NS	NS	240 UJ	130 U	140 U	150 U	140 U
VOCS	DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	240 UJ	130 U	140 U	150 U	140 U
VOCS	ETHYLBENZENE	UG/KG	100000	1000000	1000000	240 UJ	130 U	140 U	150 U	140 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	480 UJ	260 U	270 U	290 U	280 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	240 UJ	130 U	140 U	150 U	140 U
VOCS	TOLUENE	UG/KG	500000	1000000	1000000	240 UJ	130 U	140 U	150 U	140 U
VOCS	TRANS-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	240 UJ	130 U	140 U	150 U	140 U
VOCS	TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	240 UJ	130 U	140 U	150 U	140 U
VOCS	VINYL CHLORIDE	UG/KG	10000	2000	7000	240 UJ	130 U	140 U	150 U	140 U
VOCS	XYLENES, TOTAL	UG/KG	67000	410000	1000000	240 UJ	130 U	140 U	150 U	140 U
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	48 U	37 U	36 U	40 U	38 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	48 U	37 U	36 U	40 U	38 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	48 U	37 U	36 U	40 U	38 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	48 U	37 U	36 U	40 U	38 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	48 U	37 U	36 U	40 U	38 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	97 U	75 U	74 U	80 U	77 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	97 U	75 U	74 U	80 U	77 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	97 U	75 U	74 U	80 U	77 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	970 U	750 U	740 U	800 U	770 U
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	97 U	75 U	100 J	160 J	2700
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	48 U	37 U	36 U	40 U	38 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	48 U	37 U	36 U	40 U	38 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	97 U	75 U	74 U	80 U	77 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	97 U	75 U	74 U	80 U	77 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	250 U	190 U	190 U	200 U	260 J

Table B5-10

Soil - SI Sediment Analytical Samples Compared to Soil Criteria
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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SD-C11-1-01 SD-C11-1-01 05/01/01	AREA II NG SD-D10-1-01 SD-D10-1-01 05/01/01	AREA II PETN SD-C10-2-01 SD-C10-2-01 05/02/01	AREA II TNT SD-B13-1-01 SD-B13-1-01 05/01/01	AREA II TNT SD-B13-2-01 SD-B13-2-01 05/01/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	97 U	75 U	74 U	80 U	77 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	97 U	75 U	74 U	80 U	77 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	48 U	37 U	36 U	40 U	38 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	250 U	190 U	190 U	200 U	200 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	48 U	610	36 U	40 U	38 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	48 U	720	36 U	40 U	38 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	48 U	2500	36 U	40 U	38 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	970 U	750 U	740 U	800 U	770 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	48 U	2900	36 U	40 U	38 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	48 U	2500	36 U	40 U	38 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	48 U	4300	36 U	40 U	38 U
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	48 U	1300	36 U	40 U	38 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	48 U	1900	36 U	40 U	38 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	97 U	75 U	74 U	80 U	77 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	97 U	75 U	74 U	80 U	77 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	48 U	37 U	36 U	40 U	38 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	48 U	37 U	36 U	40 U	38 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	97 U	420	74 U	120 J	77 U
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	48 U	4400	36 U	40 U	38 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	97 U	75 U	74 U	80 U	77 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	97 U	75 U	74 U	80 U	77 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	48 U	500	36 U	40 U	38 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	97 U	75 U	74 U	80 U	77 U
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	97 U	75 U	74 U	80 U	77 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	48 U	6200	36 U	40 U	38 U
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	48 U	1000	36 U	40 U	38 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	48 U	37 U	36 U	40 U	38 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	97 U	75 U	74 U	80 U	77 U
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	250 U	190 U	190 U	200 U	200 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	48 U	37 U	36 U	40 U	38 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	48 U	1700	36 U	40 U	38 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	48 U	37 U	36 U	40 U	38 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	48 U	37 U	36 U	40 U	38 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	97 U	190 U	190 U	200 U	77 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	48 U	55 J	36 U	40 U	38 U
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	48 U	62 J	36 U	40 U	38 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	250 U	190 U	190 U	200 U	200 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	48 U	4000	36 U	40 U	38 U
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	97 U	75 U	74 U	80 U	77 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	48 U	5300	36 U	40 U	38 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.94 J	0.72 J	0.71 J	0.76 J	1 J
METALS	ARSENIC	MG/KG	NS	20	20	9.5	3.6	3.8	5.7	4.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.12 B	0.24 B	0.56	0.65	0.89
METALS	CADMIUM	MG/KG	NS	39	100	0.14 B	0.061 U	0.06 U	0.064 U	0.063 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II NG SD-C11-1-01 SD-C11-1-01 05/01/01	AREA II NG SD-D10-1-01 SD-D10-1-01 05/01/01	AREA II PETN SD-C10-2-01 SD-C10-2-01 05/02/01	AREA II TNT SD-B13-1-01 SD-B13-1-01 05/01/01	AREA II TNT SD-B13-2-01 SD-B13-2-01 05/01/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
METALS	CHROMIUM, TOTAL	MG/KG	NS	120000	NS	4.9 B	13.1 J	17.9 J	21.9 J	19.5
METALS	COPPER	MG/KG	NS	600	600	2.5 B	16.4 J	18.9 J	21.7 J	17.5
METALS	LEAD	MG/KG	NS	400	600	1220	62.8	57	44.4	12.4
METALS	MERCURY	MG/KG	NS	14	270	0.05 B	0.057 B	0.01 B	0.03 B	0.052 B
METALS	NICKEL	MG/KG	NS	250	2400	1.7 B	7.2	10.2	11.8	10.1
METALS	SELENIUM	MG/KG	NS	63	3100	0.69 U	0.66 B	1.1	2.1	0.55 U
METALS	SILVER	MG/KG	NS	110	4100	0.22 B	0.15 U	0.15 U	0.16 U	0.19 B
METALS	THALLIUM	MG/KG	NS	2	2	1.2 U	0.97 B	0.93 U	2 B	0.97 U
METALS	ZINC	MG/KG	NS	1500	1500	15.5 J	46.7 N	33.3 N	62.6 N	92 J
E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	150 U	110 U	110 U	120 U	11000 U
E&E	1,3-DINITROBENZENE	UG/KG	20	7800	100000	150 U	110 U	110 U	120 U	11000 U
E&E	2,4,6-TRINITROTOLUENE	UG/KG	40	21000	95000	150 U	110 U	540	660 J	91000
E&E	2-AMINO-4,6-DINITROTOLUENE	UG/KG	40	4700	61000	150 U	110 U	280 J	330 J	11000 U
E&E	2-NITROTOLUENE	UG/KG	NS	780000	10000000	150 U	110 U	110 U	120 U	11000 U
E&E	3-NITROTOLUENE	UG/KG	NS	1600000	10000000	150 U	110 U	110 U	120 U	11000 U
E&E	4-AMINO-2,6-DINITROTOLUENE	UG/KG	NS	4700	61000	150 U	110 U	300 J	450	11000 U
E&E	4-NITROTOLUENE	UG/KG	NS	780000	10000000	150 U	110 U	110 U	120 U	11000 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	UG/KG	NS	5800	26000	150 U	110 U	110 U	120 U	11000 U
E&E	NITROBENZENE	UG/KG	10000	39000	510000	150 U	110 U	110 U	120 U	11000 U
E&E	NITROCELLULOSE	UG/KG	NS	10000000	10000000	87000 UJ	67000 UJ	66000 UJ	72000 UJ	134000 J
E&E	NITROGLYCERIN	UG/KG	NS	46000	200000	2900 U	2200 U	2200 U	2400 U	230000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)	UG/KG	NS	3900000	10000000	150 U	110 U	110 U	120 U	11000 U
E&E	PENTAERYTHRITOL TETRANITRATE	UG/KG	NS	NS	NS	2900 U	2200 U	2200 U	2400 U	230000 U
E&E	TETRYL	UG/KG	NS	780000	10000000	150 U	110 U	110 U	120 U	11000 U
GENERAL CHEMISTRY	TOTAL ORGANIC CARBON	MG/KG	NS	NS	NS	7000	9500	810	10400	7900

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SD = Sediment
* = Value obtained from a 1:5 dilution
B = Indicates that the compound was found in the associated blank.
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
N = Flashpoint not observed, heated to specific limit
R = Rejected based on data validation
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

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			Remedial Area Former Operational Area			AREA II TNT	AREA II TNT	AREA II TNT	AREA III A-LINE	AREA III A-LINE
			Location ID			SD-B13-3-01	SD-C10-1-01	SD-C9-1-01	SD-F8-1-01	SD-F8-2-01
			Field Sample ID			SD-B13-3-01	SD-C10-1-01	SD-C9-1-01	SD-F8-1-01	SD-F8-2-01
			Sample Date			05/01/01	04/25/01	04/25/01	04/25/01	04/25/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	120 U	120 U	130 U	130 U	120 U
VOCS	1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	120 U	120 U	130 U	130 U	120 U
VOCS	1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	120 U	120 U	130 U	130 U	120 U
VOCS	1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	120 U	120 U	130 U	130 U	120 U
VOCS	1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	120 U	120 U	130 U	130 U	120 U
VOCS	1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	120 U	120 U	130 U	130 U	120 U
VOCS	1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	120 U	120 U	130 U	130 U	120 U
VOCS	1,2-DICHLOROPROPANE	UG/KG	NS	10000	43000	120 U	120 U	130 U	130 U	120 U
VOCS	2-CHLOROETHYL VINYL ETHER	UG/KG	NS	NS	NS	240 U	230 U	270 U	250 U	240 U
VOCS	ACROLEIN	UG/KG	NS	NS	NS	2400 R	2300 U	2700 U	2500 U	2400 U
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	480 U	460 U	540 U	500 U	470 U
VOCS	BENZENE	UG/KG	1000	3000	13000	120 U	120 U	130 U	130 U	120 U
VOCS	BROMOFORM	UG/KG	1000	86000	370000	120 U	230 U	270 U	250 U	240 U
VOCS	BROMOMETHANE	UG/KG	1000	79000	1000000	240 U	230 U	270 U	250 U	240 U
VOCS	CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	120 U	120 U	130 U	130 U	120 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	120 U	120 U	130 U	130 U	120 U
VOCS	CHLOROETHANE	UG/KG	NS	NS	NS	240 U	230 U	270 U	250 U	240 U
VOCS	CHLOROFORM	UG/KG	1000	19000	28000	120 U	120 U	130 U	130 U	120 U
VOCS	CHLOROMETHANE	UG/KG	10000	520000	1000000	240 U	230 U	270 U	250 U	240 U
VOCS	CIS-1,3-DICHLOROPROPENE	UG/KG	NS	NS	NS	120 U	120 U	130 U	130 U	120 U
VOCS	DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	120 U	120 U	130 U	130 U	120 U
VOCS	ETHYLBENZENE	UG/KG	100000	1000000	1000000	120 U	120 U	130 U	130 U	120 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	240 U	230 U	270 U	250 U	240 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	120 U	120 U	130 U	130 U	120 U
VOCS	TOLUENE	UG/KG	500000	1000000	1000000	120 U	120 U	130 U	130 U	120 U
VOCS	TRANS-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	120 U	120 U	130 U	130 U	120 U
VOCS	TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	120 U	120 U	130 U	130 U	120 U
VOCS	VINYL CHLORIDE	UG/KG	10000	2000	7000	120 U	120 U	130 U	130 U	120 U
VOCS	XYLENES, TOTAL	UG/KG	67000	410000	1000000	120 U	120 U	130 U	130 U	120 U
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	330 U	33 U	33 U	33 U	33 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	330 U	33 U	33 U	33 U	33 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	330 U	33 U	33 U	33 U	33 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	330 U	33 U	33 U	33 U	33 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	330 U	33 U	33 U	33 U	33 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	670 U	67 U	67 U	67 U	67 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	670 U	67 U	67 U	67 U	67 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	670 U	67 U	67 U	67 U	67 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	6700 U	670 UJ	670 UJ	670 UJ	670 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	56000	67 U	67 U	67 U	67 U
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	330 U	33 U	33 U	33 U	33 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	330 U	33 U	33 U	33 U	33 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	670 U	67 U	67 U	67 U	67 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	670 U	67 U	67 U	67 U	67 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	1700 U	170 U	170 U	170 U	170 U

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			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SD-B13-3-01 SD-B13-3-01 05/01/01	AREA II TNT SD-C10-1-01 SD-C10-1-01 04/25/01	AREA II TNT SD-C9-1-01 SD-C9-1-01 04/25/01	AREA III A-LINE SD-F8-1-01 SD-F8-1-01 04/25/01	AREA III A-LINE SD-F8-2-01 SD-F8-2-01 04/25/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	670 U	67 U	67 U	67 U	67 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	670 U	67 U	67 U	67 U	67 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	330 U	33 U	33 U	33 U	33 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	1700 U	170 U	170 U	170 U	170 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	330 U	33 U	33 U	33 U	33 U
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	330 U	33 U	33 U	33 U	33 U
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	330 U	33 U	33 U	33 U	33 U
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	6700 U	670 U	670 U	670 U	670 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	330 U	33 U	120 J	33 U	33 U
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	330 U	33 U	150 J	33 U	33 U
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	330 U	45 J	210 J	67 J	33 U
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	330 U	33 U	110 J	33 U	33 U
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	330 U	33 U	76 J	33 U	33 U
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	670 U	67 U	67 U	67 U	67 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	670 U	67 U	67 U	67 U	67 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	330 U	33 U	33 U	33 U	33 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	330 U	33 U	33 U	33 U	33 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	670 U	76 J	320 J	87 J	83 J
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	330 U	33 U	170 J	48 J	33 U
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	670 U	67 U	67 U	67 U	67 U
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	670 U	67 U	67 U	67 U	67 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	330 U	33 U	33 U	33 U	33 U
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	670 U	67 U	67 U	1500	530
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	670 U	67 U	67 U	67 U	67 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	420 J	41 J	240 J	52 J	33 U
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	330 U	33 U	33 U	33 U	33 U
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	330 U	33 U	33 U	33 U	33 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	670 U	67 U	67 U	67 U	67 U
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	1700 U	170 U	170 U	170 U	170 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	330 U	33 U	33 U	33 U	33 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	330 U	33 U	110 J	33 U	33 U
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	330 U	33 U	33 U	33 U	33 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	330 U	33 U	33 U	33 U	33 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	670 U	67 U	67 U	67 U	67 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	330 U	33 U	33 U	530	690
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	330 U	33 U	33 U	33 U	33 U
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	1700 U	170 U	170 U	170 U	170 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	530 J	33 U	140 J	33 U	33 U
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	670 U	67 U	67 U	67 U	67 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	330 U	40 J	280 J	52 J	33 U
METALS	ANTIMONY	MG/KG	NS	14	340	0.94 J	0.77 UJ	0.91 UJ	0.8 UJ	0.7 UJ
METALS	ARSENIC	MG/KG	NS	20	20	4.9	5.7	2.7	7.6	4.3
METALS	BERYLLIUM	MG/KG	NS	2	2	0.21 B	0.47 B	0.52 B	0.65	0.67
METALS	CADMIUM	MG/KG	NS	39	100	0.055 U	0.065 U	0.077 U	0.068 U	0.059 U

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Hercules Incorporated
Kenvil Works Facility, New Jersey

				Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA II TNT SD-B13-3-01 SD-B13-3-01 05/01/01	AREA II TNT SD-C10-1-01 SD-C10-1-01 04/25/01	AREA II TNT SD-C9-1-01 SD-C9-1-01 04/25/01	AREA III A-LINE SD-F8-1-01 SD-F8-1-01 04/25/01	AREA III A-LINE SD-F8-2-01 SD-F8-2-01 04/25/01
Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
METALS	CHROMIUM, TOTAL		MG/KG	NS	120000	NS	7.3	18.2	14.6	21.3	9.3
	COPPER		MG/KG	NS	600	600	9.3	26.7	18.1	62	15.8
	LEAD		MG/KG	NS	400	600	3260	840 J	68.8 J	24.1 J	9.2 J
	MERCURY		MG/KG	NS	14	270	0.13	0.35	0.029 B	0.04 B	0.007 B
	NICKEL		MG/KG	NS	250	2400	3 B	10.9	8.8	13	7.7
	SELENIUM		MG/KG	NS	63	3100	0.48 U	1.4	0.67 U	0.88 B	0.52 U
	SILVER		MG/KG	NS	110	4100	0.61 B	0.16 U	0.2 U	0.17 U	0.15 U
	THALLIUM		MG/KG	NS	2	2	0.85 U	1 U	1.2 U	1 U	0.91 U
	ZINC		MG/KG	NS	1500	1500	21.9 J	32.5 J	80.5 J	60.4 J	138 J
	E&E	1,3,5-TRINITROBENZENE	UG/KG	NS	2300000	10000000	1000000 U	99 U	99 U	99 U	99 U
E&E	1,3-DINITROBENZENE		UG/KG	20	7800	100000	1000000 U	99 U	99 U	99 U	99 U
E&E	2,4,6-TRINITROTOLUENE		UG/KG	40	21000	95000	21000000	99 U	99 U	138 J	99 U
E&E	2-AMINO-4,6-DINITROTOLUENE		UG/KG	40	4700	61000	1000000 U	99 U	99 U	99 U	99 U
E&E	2-NITROTOLUENE		UG/KG	NS	780000	10000000	1000000 U	99 U	99 U	99 U	99 U
E&E	3-NITROTOLUENE		UG/KG	NS	1600000	10000000	1000000 U	99 U	99 U	99 U	99 U
E&E	4-AMINO-2,6-DINITROTOLUENE		UG/KG	NS	4700	61000	1000000 U	99 U	99 U	99 U	99 U
E&E	4-NITROTOLUENE		UG/KG	NS	780000	10000000	1000000 U	99 U	99 U	99 U	99 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		UG/KG	NS	5800	26000	1000000 U	99 U	99 U	99 U	99 U
E&E	NITROBENZENE		UG/KG	10000	39000	510000	1000000 U	99 U	99 U	99 U	99 U
E&E	NITROCELLULOSE		UG/KG	NS	10000000	10000000	8000000 J	60000 U	60000 U	60000 U	700000
E&E	NITROGLYCERIN		UG/KG	NS	46000	200000	20000000 U	2000 U	2000 U	2000 U	2000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)		UG/KG	NS	3900000	10000000	1000000 U	99 U	99 U	99 U	99 U
E&E	PENTAERYTHRITOL TETRANITRATE		UG/KG	NS	NS	NS	20000000 U	2000 U	2000 U	2000 U	2000 U
E&E	TETRYL		UG/KG	NS	780000	10000000	1000000 U	99 U	99 U	99 U	99 U
GENERAL CHEMISTRY		TOTAL ORGANIC CARBON	MG/KG	NS	NS	NS	22900	9700	17200 J	20300	2100

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SD = Sediment
* = Value obtained from a 1:5 dilution
B = Indicates that the compound was found in the associated blank.
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
N = Flashpoint not observed, heated to specific limit
R = Rejected based on data validation
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

Table B5-10

Soil - SI Sediment Analytical Samples Compared to Soil Criteria
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Kenvil Works Facility, New Jersey

			Remedial Area Former Operational Area Location ID Field Sample ID Sample Date			AREA III A-LINE SD-F9-1-01 SD-F9-1-01 04/25/01	AREA III A-LINE SD-F9-2-01 SD-F9-2-01 05/01/01	AREA III DIAZO SD-H8-1-01 SD-H8-1-01 04/24/01	AREA III MAINTENANCE SD-H10-1-01 SD-H10-1-01 04/24/01	AREA III MAINTENANCE SD-H9-1-01 SD-H9-1-01 04/24/01
Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
VOCS	BROMODICHLOROMETHANE	UG/KG	1000	11000	46000	130 U	160 U	150 U	120 U	120 U
VOCS	1,1,1-TRICHLOROETHANE	UG/KG	50000	210000	1000000	130 U	160 U	150 U	120 U	120 U
VOCS	1,1,2,2-TETRACHLOROETHANE	UG/KG	1000	34000	70000	130 U	160 U	150 U	120 U	120 U
VOCS	1,1,2-TRICHLOROETHANE	UG/KG	1000	22000	420000	130 U	160 U	150 U	120 U	120 U
VOCS	1,1-DICHLOROETHANE	UG/KG	10000	570000	1000000	130 U	160 U	150 U	120 U	120 U
VOCS	1,1-DICHLOROETHENE	UG/KG	10000	8000	150000	130 U	160 U	150 U	120 U	120 U
VOCS	1,2-DICHLOROETHANE	UG/KG	1000	6000	24000	130 U	160 U	150 U	120 U	120 U
VOCS	1,2-DICHLOROPROPANE	UG/KG	NS	10000	43000	130 U	160 U	150 U	120 U	120 U
VOCS	2-CHLOROETHYL VINYL ETHER	UG/KG	NS	NS	NS	250 U	320 U	310 U	240 U	240 U
VOCS	ACROLEIN	UG/KG	NS	NS	NS	2500 U	3200 U	3100 U	2400 U	2400 U
VOCS	ACRYLONITRILE	UG/KG	1000	1000	5000	510 U	630 U	610 U	490 U	490 U
VOCS	BENZENE	UG/KG	1000	3000	13000	130 U	160 U	150 U	120 U	120 U
VOCS	BROMOFORM	UG/KG	1000	86000	370000	250 U	160 U	310 U	240 U	240 U
VOCS	BROMOMETHANE	UG/KG	1000	79000	1000000	250 U	320 U	310 UJ	240 UJ	240 UJ
VOCS	CARBON TETRACHLORIDE	UG/KG	1000	2000	4000	130 U	160 U	150 U	120 U	120 U
VOCS	CHLOROBENZENE	UG/KG	1000	37000	680000	130 U	160 U	150 U	120 U	120 U
VOCS	CHLOROETHANE	UG/KG	NS	NS	NS	250 U	320 U	310 U	240 U	240 U
VOCS	CHLOROFORM	UG/KG	1000	19000	28000	130 U	160 U	150 U	120 U	120 U
VOCS	CHLOROMETHANE	UG/KG	10000	520000	1000000	250 U	320 U	310 U	240 U	240 U
VOCS	CIS-1,3-DICHLOROPROPENE	UG/KG	NS	NS	NS	130 U	160 U	150 U	120 U	120 U
VOCS	DIBROMOCHLOROMETHANE	UG/KG	1000	110000	1000000	130 U	160 U	150 U	120 U	120 U
VOCS	ETHYLBENZENE	UG/KG	100000	1000000	1000000	130 U	160 U	150 U	120 U	120 U
VOCS	METHYLENE CHLORIDE	UG/KG	1000	49000	210000	250 U	320 U	310 U	240 U	240 U
VOCS	TETRACHLOROETHYLENE (PCE)	UG/KG	1000	4000	6000	130 U	160 U	150 U	120 U	120 U
VOCS	TOLUENE	UG/KG	500000	1000000	1000000	130 U	160 U	150 U	120 U	120 U
VOCS	TRANS-1,2-DICHLOROETHENE	UG/KG	50000	1000000	1000000	130 U	160 U	150 U	120 U	120 U
VOCS	TRICHLOROETHYLENE (TCE)	UG/KG	1000	23000	54000	130 U	160 U	150 U	120 U	120 U
VOCS	VINYL CHLORIDE	UG/KG	10000	2000	7000	130 U	160 U	150 U	120 U	120 U
VOCS	XYLENES, TOTAL	UG/KG	67000	410000	1000000	130 U	160 U	150 U	120 U	120 U
SVOCS	1,2,4-TRICHLOROBENZENE	UG/KG	100000	68000	1200000	33 U	44 U	33 U	33 U	33 U
SVOCS	1,2-DICHLOROBENZENE	UG/KG	50000	5100000	10000000	33 U	44 U	33 U	33 U	33 U
SVOCS	1,2-DIPHENYLHYDRAZINE	UG/KG	8	600	2000	33 U	44 U	33 U	33 U	33 U
SVOCS	1,3-DICHLOROBENZENE	UG/KG	100000	5100000	10000000	33 U	44 U	33 U	33 U	33 U
SVOCS	1,4-DICHLOROBENZENE	UG/KG	100000	570000	10000000	33 U	44 U	33 U	33 U	33 U
SVOCS	2,4,6-TRICHLOROPHENOL	UG/KG	10000	62000	270000	67 U	89 U	67 U	67 U	67 U
SVOCS	2,4-DICHLOROPHENOL	UG/KG	10000	170000	3100000	67 U	89 U	67 U	67 U	67 U
SVOCS	2,4-DIMETHYLPHENOL	UG/KG	10000	1100000	10000000	67 U	89 U	67 U	67 U	67 U
SVOCS	2,4-DINITROPHENOL	UG/KG	10000	110000	2100000	670 UJ	890 U	670 UJ	670 UJ	670 UJ
SVOCS	2,4/2,6-DINITROTOLUENE	UG/KG	0.3	940	4200	8850	89 U	67 U	67 U	67 U
SVOCS	2-CHLORONAPHTHALENE	UG/KG	NS	NS	NS	33 U	44 U	33 U	33 U	33 U
SVOCS	2-CHLOROPHENOL	UG/KG	10000	280000	5200000	33 U	44 U	33 U	33 U	33 U
SVOCS	2-NITROPHENOL	UG/KG	NS	NS	NS	67 U	89 U	67 U	67 U	67 U
SVOCS	3,3'-DICHLOROBENZIDINE	UG/KG	100000	2000	6000	67 U	89 U	67 U	67 U	67 U
SVOCS	4,6-DINITRO-2-METHYLPHENOL	UG/KG	NS	NS	NS	170 U	230 U	170 U	170 U	170 U

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Analytical Group	Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
SVOCS	4-BROMOPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	67 U	89 U	67 U	67 U	67 U
SVOCS	4-CHLORO-3-METHYLPHENOL	UG/KG	100000	10000000	10000000	67 U	89 U	67 U	67 U	67 U
SVOCS	4-CHLOROPHENYL PHENYL ETHER	UG/KG	NS	NS	NS	33 U	44 U	33 U	33 U	33 U
SVOCS	4-NITROPHENOL	UG/KG	NS	NS	NS	170 U	230 U	170 U	170 U	170 U
SVOCS	ACENAPHTHENE	UG/KG	100000	3400000	10000000	42 J	44 U	83 J	33 U	340
SVOCS	ACENAPHTHYLENE	UG/KG	NS	NS	NS	38 J	44 U	410	33 U	2300
SVOCS	ANTHRACENE	UG/KG	100000	10000000	10000000	150 J	44 U	510	33 U	2600
SVOCS	BENZIDINE	UG/KG	0.0006	2	8	670 U	890 U	670 U	670 U	670 U
SVOCS	BENZO(A)ANTHRACENE	UG/KG	500000	900	4000	460	70 J	1900	33 U	9900
SVOCS	BENZO(A)PYRENE	UG/KG	100000	660	660	490	85 J	2000	33 U	9700
SVOCS	BENZO(B)FLUORANTHENE	UG/KG	50000	900	4000	720	250 J	2400	33 U	11000
SVOCS	BENZO(G,H,I)PERYLENE	UG/KG	NS	NS	NS	330 J	130 J	1200	33 U	6700
SVOCS	BENZO(K)FLUORANTHENE	UG/KG	500000	900	4000	300 J	110 J	1000	33 U	4400
SVOCS	BENZYL BUTYL PHTHALATE	UG/KG	100000	1100000	10000000	67 U	89 U	67 U	67 U	67 U
SVOCS	BIS(2-CHLOROETHOXY) METHANE	UG/KG	NS	NS	NS	67 U	89 U	67 U	67 U	67 U
SVOCS	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	UG/KG	10000	660	3000	33 U	44 U	33 U	33 U	33 U
SVOCS	BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10000	2300000	10000000	33 U	44 U	33 U	33 U	33 U
SVOCS	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG	100000	49000	210000	100 J	120 J	190 J	67 U	450
SVOCS	CHRYSENE	UG/KG	500000	9000	40000	550	150 J	2400	33 U	12000
SVOCS	DI-N-BUTYL PHTHALATE	UG/KG	100000	5700000	10000000	140 J	1500	73 J	67 U	260 J
SVOCS	DI-N-OCTYLPHTHALATE	UG/KG	100000	1100000	10000000	67 U	89 U	67 U	67 U	67 U
SVOCS	DIBENZ(A,H)ANTHRACENE	UG/KG	100000	660	660	99 J	44 U	370	33 U	1700
SVOCS	DIETHYL PHTHALATE	UG/KG	50000	10000000	10000000	380	140 J	270 J	67 U	86 J
SVOCS	DIMETHYL PHTHALATE	UG/KG	50000	10000000	10000000	67 U	89 U	67 U	67 U	67 U
SVOCS	FLUORANTHENE	UG/KG	100000	2300000	10000000	870	260 J	3900	33 U	19000
SVOCS	FLUORENE	UG/KG	100000	2300000	10000000	42 J	44 U	210 J	33 U	1100
SVOCS	HEXACHLOROBENZENE	UG/KG	100000	660	2000	33 U	44 U	33 U	33 U	33 U
SVOCS	HEXACHLOROBUTADIENE	UG/KG	100000	1000	21000	67 U	89 U	67 U	67 U	67 U
SVOCS	HEXACHLOROCYCLOPENTADIENE	UG/KG	100000	400000	7300000	170 U	230 U	170 U	170 U	170 U
SVOCS	HEXACHLOROETHANE	UG/KG	100000	6000	100000	33 U	44 U	33 U	33 U	33 U
SVOCS	INDENO(1,2,3-C,D)PYRENE	UG/KG	500000	900	4000	370	100 J	1300	33 U	6800
SVOCS	ISOPHORONE	UG/KG	50000	1100000	10000000	33 U	44 U	33 U	33 U	33 U
SVOCS	N-NITROSODI-N-PROPYLAMINE	UG/KG	10000	660	660	33 U	44 U	33 U	33 U	33 U
SVOCS	N-NITROSODIMETHYLAMINE	UG/KG	0.001	10	60	67 U	230 U	67 U	67 U	67 U
SVOCS	N-NITROSODIPHENYLAMINE	UG/KG	100000	140000	600000	490	300 J	230 J	33 U	430
SVOCS	NAPHTHALENE	UG/KG	100000	230000	4200000	33 U	44 U	65 J	33 U	280 J
SVOCS	PENTACHLOROPHENOL	UG/KG	100000	6000	24000	170 U	230 U	170 U	170 U	170 U
SVOCS	PHENANTHRENE	UG/KG	NS	NS	NS	560	120 J	2400	33 U	11000
SVOCS	PHENOL	UG/KG	50000	10000000	10000000	67 U	89 U	67 U	67 U	67 U
SVOCS	PYRENE	UG/KG	100000	1700000	10000000	910	230 J	4600	33 U	21000
METALS	ANTIMONY	MG/KG	NS	14	340	0.79 UJ	0.87 J	0.78 UJ	0.78 UJ	2.7 J
METALS	ARSENIC	MG/KG	NS	20	20	10.6	4.2	4	2.3	4.6
METALS	BERYLLIUM	MG/KG	NS	2	2	0.63	0.66 B	0.49 B	0.58 B	0.59 B
METALS	CADMIUM	MG/KG	NS	39	100	0.067 U	0.073 U	0.61 B	0.066 U	0.53 B

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Analytical Group		Constituent	Units	IGWSCC	RDCSCC	NRDCSCC	Result	Result	Result	Result	Result
METALS	CHROMIUM, TOTAL		MG/KG	NS	120000	NS	22.2	25.5 J	384	14.9	2150
METALS	COPPER		MG/KG	NS	600	600	331	58.5 J	28.5	11.3	28.8
METALS	LEAD		MG/KG	NS	400	600	150 J	32.9	137 J	6.7 J	135 J
METALS	MERCURY		MG/KG	NS	14	270	0.17	0.16	44.8	0.023 B	47.7
METALS	NICKEL		MG/KG	NS	250	2400	14.2	15	9	7.1	12.4
METALS	SELENIUM		MG/KG	NS	63	3100	0.58 U	1.1 B	0.66 B	0.58 U	0.63 U
METALS	SILVER		MG/KG	NS	110	4100	0.17 U	0.19 U	2.3 B	0.17 U	2.2 B
METALS	THALLIUM		MG/KG	NS	2	2	1 U	1.2 B	1 U	1 U	1.1 U
METALS	ZINC		MG/KG	NS	1500	1500	94.3 J	250 J	102 J	58.4 J	135 J
E&E	1,3,5-TRINITROBENZENE		UG/KG	NS	2300000	10000000	99 U	130 U	100 U	100 U	100 U
E&E	1,3-DINITROBENZENE		UG/KG	20	7800	100000	99 U	130 U	100 U	100 U	100 U
E&E	2,4,6-TRINITROTOLUENE		UG/KG	40	21000	95000	99 U	130 U	100 U	100 U	100 U
E&E	2-AMINO-4,6-DINITROTOLUENE		UG/KG	40	4700	61000	99 U	130 U	100 U	100 U	100 U
E&E	2-NITROTOLUENE		UG/KG	NS	780000	10000000	99 U	130 U	100 U	100 U	100 U
E&E	3-NITROTOLUENE		UG/KG	NS	1600000	10000000	99 U	130 U	100 U	100 U	100 U
E&E	4-AMINO-2,6-DINITROTOLUENE		UG/KG	NS	4700	61000	99 U	130 U	100 U	100 U	100 U
E&E	4-NITROTOLUENE		UG/KG	NS	780000	10000000	99 U	130 U	100 U	100 U	100 U
E&E	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		UG/KG	NS	5800	26000	99 U	130 U	100 U	100 U	100 U
E&E	NITROBENZENE		UG/KG	10000	39000	510000	99 U	130 U	100 U	100 U	100 U
E&E	NITROCELLULOSE		UG/KG	NS	10000000	10000000	176000 J	300000 J	600000	60000 U	60000 U
E&E	NITROGLYCERIN		UG/KG	NS	46000	200000	2000 U	2700 U	2000 U	2000 U	2000 U
E&E	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE (HMX)		UG/KG	NS	3900000	10000000	99 U	130 U	100 U	100 U	100 U
E&E	PENTAERYTHRITOL TETRANITRATE		UG/KG	NS	NS	NS	2000 U	2700 U	2000 U	2000 U	2000 U
E&E	TETRYL		UG/KG	NS	780000	10000000	99 U	130 U	100 U	100 U	100 U
GENERAL CHEMISTRY	TOTAL ORGANIC CARBON		MG/KG	NS	NS	NS	15900	28200	44400	270 J	58400

Notes:
All sample depths on this table (0.5-1.0) refer to feet below ground surface
VOCS = Volatile organic constituents
SVOCS = Semi-volatile organic constituents
E&E = Explosive and energetic constituents
IGWSCC = Impact to groundwater soil cleanup criteria
RDCSCC = Residential direct contact soil cleanup criteria
NRDCSCC = Non-residential direct contact soil cleanup criteria
NS = No standard
SD = Sediment
* = Value obtained from a 1:5 dilution
B = Indicates that the compound was found in the associated blank.
J = Indicates that the constituent was analyzed for and was detected below the reporting limit, and/or number indicates an estimated value
N = Flashpoint not observed, heated to specific limit
R = Rejected based on data validation
U = Indicates that the constituent was analyzed for but not detected, number indicates the detection limit
Outline = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the IGWSCC
Bold = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the RDCSCC
Shade = Indicates that the constituent was detected by laboratory analysis at concentrations greater than the NRDCSCC

APPENDICES

APPENDIX A

APPENDIX B

APPENDIX C

APPENDIX D

This text is a summary of items that required qualification as a result of data validation of the Kenvil data. The following acronyms were used in the text:

CCAL - continuing calibration
LCS - laboratory control sample
%D - percent difference
'U' - undetected qualification
'J' - estimated concentration
'R' - rejected qualification
MS - matrix spike
MSD - matrix spike duplicate
'UJ' - undetected at an estimated concentration
SDG - sample delivery group
PCB - polychlorinated biphenyl
TPH - total petroleum hydrocarbon
%R - percent recovery
%RSD – percent relative standard deviation
%RPD – relative percent difference

Samples were not qualified if the temperature was below the recommended temperature of $4 \pm 2^\circ \text{C}$, but were qualified for elevated cooler temperature for the Explosives and Energetics fraction, where indicated in the data summaries below.

The following methods were used by the laboratory:

- Metals using method 6010B,
- Mercury using method 7471A,
- Nitroglycerin using method 8330,
- Nitrocellulose using method IAAP8,
- PCBs in water using method 8082,
- Explosives and Energetics using method 8330,
- Semivolatile organics using method 8270C,
- Volatile organics using method 8260B

The laboratory analyzed Explosives/Energetics using EPA method 8330. There were a few differences between quality control requirements in method 8330 and those defined in the Region II SOP. The differences are described below, and did not warrant qualification.

- Initial Calibration - RII lists analyzing the standards in triplicate. The current version of SW846 Method 8330 does not require the triplicate analysis of the initial calibration, and the laboratory does not run the standards in triplicate. The laboratory noted an older draft version of SW846 Method 8330 contained the triplicate requirement, which was omitted when promulgated into update III.

- Special QC - this is a solvent blank that is assumed for the mobile phase only, which the laboratory doesn't typically run. The laboratory relies on the method blank as a check for instrument cleanliness as well as extraction cleanliness. Should there be a problem with a blank, the laboratory noted they would check their reagents, including mobile phase, to make sure the instrument is clean. This typically is not an issue according to the laboratory.
- Lab Duplicate – the laboratory analyzes either an MS/MSD pair or an LCS/LCSD pair for precision measurement, instead of specific sample duplicates.
- Primary versus confirmation criteria - the laboratory notes the data between the two runs is not handled like their other dual column analyses. The second column, which is used for confirmation is not as good as the primary in that there are 5 coeluting pairs of compounds. The laboratory always reports the primary data with the confirmation data for support.

SDG KVL53

Sample Receipt and Custody Documentation - No problems were noted.

Semivolatiles – Sample SB-R-M9-01(4-4.5) was qualified as estimated for all compounds in the sample due to low surrogate recovery. All compounds with the exception of 2,4-dinitrotoluene, benzo(b)fluoranthene, benzo(k)fluoranthene and indeno(1,2,3-cd)pyrene were qualified as estimated due to unacceptable matrix spike recovery. Only the parent sample was qualified. Compound benzo(b)fluoranthene was qualified as estimated for samples SB-R-M9-09(.5-1), SB-R-M9-02(.17-.67), SB-R-M9-09(4-4.5), SB-R-M9-04(1.5-2) and SB-R-M9-03(4-4.5) due to continuing calibration criteria of 25% exceedance.

Explosives/ Nitroglycerin –. No qualification was made.

Nitrocellulose – Sample SB-R-M8-02(1.5-2) was qualified as estimated due to zero percent matrix spike recovery. The parent sample was qualified.

Metals – All samples were qualified as estimated for zinc due to serial dilution exceedance. All lead values were qualified as estimated since the laboratory noted interference was present. All antimony results were qualified as estimated due to low LCS and matrix spike/matrix spike duplicate recovery. Sample SB-R-M8-02(1.5-2) was qualified as estimated for selenium due to low recovery of the low level check standard. Samples SB-R-M8-04(5-5.5), SB-R-M8-04(2-2.5), SB-R-M8-02(4.5-5), SB-R-M8-02(.5-1) and SB-R-M8-01(4.5-5) were qualified as estimated for arsenic due to low recovery of the low level check standard. All lead samples were qualified as estimated due to elevated matrix spike recovery. All zinc results were qualified as estimated due to low matrix spike recovery.

Field duplicates – Field duplicates were not collected for this dataset.

Other Comments – none.

SDG KVL56

Sample Receipt and Custody Documentation - no items noted. The cooler temperature ranged from 1.4 °C to 4.8 °C

Volatiles – No data qualification was made.

Semivolatiles – The matrix spike and spike duplicate recovered low, resulting in estimated qualification of n-nitrosodiphenylamine and di-n-butylphthalate for parent sample SB-R-K11-03(0.5-1.0). The laboratory notes elevated reporting limits for sample SB-R-K11-03(0.5-1.0) due to matrix interference during sample extraction. No qualification was made. Sample SB-R-K11-01(0.8-1.4) was qualified as estimated for benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene and dibenz(a,h)anthracene, and sample SB-R-K11-03(0.5-1.0) for di-n-butylphthalate, due to low internal standard recoveries.

Explosives – The matrix spike and spike duplicate recovered low, resulting in estimated qualification of nitroglycerin for parent sample SB-R-K11-03(0.5-1.0).

General Chemistry – NC - No data qualification was made.

Metals – All samples were qualified as estimated for antimony, thallium and lead due to low matrix spike recovery. All samples were qualified as estimated for copper and lead due to laboratory duplicate criteria exceedance.

Field duplicates – Field duplicate pair SB-R-K11-03(0.5-1.0)/SB-R-K11-03(0.5-1.0)DUP was collected and all results compared.

Other Comments – none.

SDG KVL59

Sample Receipt and Custody Documentation - The cooler temperatures ranged from 1.8 – 4.4 °C which is slightly outside the recommended limits of 4 ± 2 °C. No action was taken and sample integrity was considered maintained. Sample SB-R-L11-02(0.5-1.0) was originally reported with nitroglycerin as undetected. The raw data indicated there was an estimated concentration detected. The laboratory was contacted and the result was revised to reflect the estimated value (4800 J).

Volatiles - No qualification was made.

Semivolatiles – No qualification was made.

PCBs – No qualification was made.

Explosives – No qualification was made.

Nitrocellulose – The matrix spike and spike duplicate recoveries were zero, resulting in estimated qualification of nitrocellulose in the parent sample: SB-R-K11-03(4-4.5).

Metals – All soil samples were qualified as estimated for silver and thallium due to low recovery of the low level check standard. The following nitroglycerin samples were qualified with a 'B' to indicate associated preparation blank contamination (<5x) for mercury: SB-R-K11-03(4-4.5), SB-R-K11-03(4-4.5)DUP, SB-R-K10-01(.5-1.0), SB-R-K10-01(5.5-6.0), SB-R-L10-02(5-5.5), SB-R-L10-02(0.5-1.0), SB-R-L10-01(0.25-0.75), SB-R-L11-02(6.5-7.0), SB-R-L11-02(0.5-1.0), SB-R-L10-01(1.5-2.0), SB-R-K11-04(2-2.5).

Field duplicates – Field duplicate pair SB-R-K11-03(4-4.5), SB-R-K11-03(4-4.5)DUP was collected and all results compared.

Other Comments – none.

SDG KVL62

Sample Receipt and Custody Documentation - The laboratory recorded cooler temperatures from 1.6 to 7.3° C. Explosives samples associated with the coolers exceeding 4.9° C were qualified as estimated.

Volatiles - No qualification was made.

Semivolatiles – Due to high MS/MSD %R for sample SB-R-M10-01(0.5-1.0), compounds benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd) pyrene were qualified as estimated.

PCBs – The target %D for CCALs were greater than 15%. The laboratory used the average %D, which met the criteria. No qualification was made.

Explosives/ Nitroglycerin –The CCAL criterion for 2,4,6-trinitrotoluene (19.7%) exceeded 15% for standard ICNTXDF (file 1E12100.12R). The laboratory read the compound from the confirmation run. No action was taken. The surrogate %R (1,166%) for sample SB-R-N9-01(0.5-1.0) was out of limits (67-154) due to matrix interference. All compounds were nondetect, therefore no qualifiers were added. Compounds eluted out of retention time windows for several CCAL standards in sequence 1C12100. The %D for each compound was within limits. No action was taken for retention windows alone. For run 1C12093 (the confirmation run for 1E12093), %RSDs for the ICAL standard exceeded the 20% criterion for the surrogate compound and 2,4,6-trinitrotoluene. The laboratory reads from the primary run, therefore no action was taken.

Metals – All antimony (Sb) results were qualified as estimated for all samples due to low MS/MSD %R. Arsenic results were qualified as estimated for samples SB-R-K9-01(1.0-1.5), SB-R-L9-01(1.0-1.5), SB-R-M9-01(0.5-1.0), and SB-R-N9-01(5.08-5.58) due to preparation blank contamination.

Field duplicates – Field duplicate pairs SB-R-L9-01(1.0-1.5)/ SB-R-L9-01(1.0-1.5)DUP were collected and analyzed in this data set. All results compared with the exception of arsenic. Arsenic results were qualified as estimated for the parent and duplicate samples.

Other Comments – none.

SDG KVL64

Sample Receipt and Custody Documentation – All energetics/explosives compounds were qualified as estimated for the following samples due to cooler temperature exceedance: SB-R-M10(0.5-1.0), SB-R-M10-02(4.0-4.5), SB-R-N9-02(0.5-1.0), SB-R-N9-02(1.5-2.0), SB-R-N9-03(1.0-1.5), SB-R-N9-03(2.0-2.5), SB-R-M9-02(0.5-1.0), SB-R-M9-03(0.5-1.0), SB-R-M9-03(1.5-2.0), and SB-R-K10-02(0.5-1.0).

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – The lab narrative notes that the CCAL %D for some individual arochlors exceeds 15%. The average %D was less than 15%, therefore no action was taken.

Explosives/ Nitroglycerin – Several energetics/explosives samples were qualified as estimated for cooler temperature exceedance, as noted above. The CCAL standard 1E12100.12 was outside the 15%D criterion for 2,4,6-TNT. The laboratory read this compound from the confirmation run, 1C12100. No action was taken.

Metals – Mercury (0.011mg/kg) was present in the prep blank. All samples with positive results < 0.055 mg/kg were qualified as estimated for mercury. This includes all samples except SB-R-N9-03(1.0-1.5), SB-R-M9-02(0.5-1.0), SB-R-I9-01(2.75-3.25), SB-R-I9-02(1.0-1.5), SB-R-J9-01(1.0-1.5), and SB-R-I6-01(0.5-1.0). All samples were qualified as estimated for antimony, lead, and zinc due to low MS %R.

Field duplicates – Field duplicate pair SB-R-I9-02(1.0-1.5)/ SB-R-I9-02(1.0-1.5)DUP were collected and analyzed in this data set. All results compared.

Other Comments – none.

SDG KVL67

Sample Receipt and Custody Documentation – The laboratory recorded cooler temperatures from 0.7 to 5.5° C. Explosives samples associated with the coolers exceeding 4.9° C were qualified as estimated.

Volatiles – For the CCAL standard run on April 13, 2006, the acrylonitrile %D exceeded 25% (27%). Acrylonitrile results for associated samples SB-R-K9-04(0.5-1.0), SB-R-I8-03(0.5-1.0), SB-R-I8-04(0.5-1.0), SB-R-I8-04(6.0-6.5), SB-R-J8-03(0.5-1.0), SB-R-J8-03(6.0-6.5), SB-R-J8-04(0.5-1.0), and SB-R-J8-04(4.5-5.0) were qualified as estimated.

Semivolatiles – The 2,4-dinitrophenol result for sample SB-R-J8-04(0.5-1.0) was qualified as estimated due to the compound not recovering (0%) in the MS/MSD. For sample SB-R-I8-04(0.5-1.0), benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, indeno(1,2,3-cd) pyrene, and dibenzo(a,h)anthracene results were qualified as estimated due to the low internal standard area.

PCBs – No qualification was made. The average %D was used for CCAL acceptance where the %d exceeded the 15% criterion.

Metals – All antimony results were qualified as estimated due to low spike recovery.

Explosives/ Nitroglycerin – The ICAL verification standard, 1E12100.12, was outside the 15% criterion for 2,4,6-TNT (19.7%). The laboratory read this compound from the confirmation run, 1C12100. No action was taken.

General Chemistry – All nitrocellulose results were qualified as estimated due to 0% recovery in the MS/MSD.

Field duplicates – Field duplicate pair SB-R-J8-04(0.5-1.0) and SB-R-J8-04(0.5-1.0)DUP were collected and analyzed (metals only) in this data set. All results compared.

Other Comments – none. —

SDG KVL68

Sample Receipt and Custody Documentation –. The laboratory originally reported a set of compounds for the trip blank sample that were not the target compounds associated with the field samples. A revision was requested and sent to the validator. Two samples were not listed on the chain-of-custody documentation but were delivered to the laboratory with all other field samples and analyzed. No action was taken. The laboratory noted inconsistencies between sample container labels and COC documentation. The times on the vials in question matched the times recorded on the COC. The samples were analyzed. No action was taken. For the VOA analyses, the laboratory noted that the weight for sample SB-R-I9-03(2.5-3.0) was outside the 8 to 12 gram requirement. No action was taken.

Explosives/ Nitroglycerin – No qualification was made. Some target compounds eluted out of retention time windows for CCAL standards. The %D for each compound was within limits. No action was taken for missing retention windows alone.

Volatiles – No qualification was made.

Pesticides/PCBs – For sample SB-R-I8-01(0.5-1.0), the AR1254 results was qualified as estimated due to the %D between the two columns exceeding 25%.

Metals – All antimony, lead, and zinc results were qualified as estimated due to low MS/MSD %Recovery. All samples were qualified as estimated for zinc due to serial dilution exceedance.

Field duplicates – Field duplicate pair SB-R-I8-02(0.5-1.0) and SB-R-I8-02(0.5-1.0)DUP were collected and analyzed (metals only) in this data set. All results compared. One duplicate partner was not contained in this dataset, and was submitted in another SDG by the laboratory, thus field duplicate precision could not be evaluated for this dataset.

Other Comments –None.

SDG KVL70

Sample Receipt and Custody Documentation: The laboratory originally reported a set of compounds for the trip blank sample that were not the target compounds associated with the field samples. A revision was requested and sent to the validator. The laboratory noted that a trip blank was not received with the 4/12/06 sample shipment, however, a trip blank was included with the 4/4/06 sample shipment which was not originally listed on the chain-of-custody. For the VOA analyses, the laboratory noted that the weight for several samples was outside the 8 to 12 gram NJ requirement. The sample was analyzed for VOCs. The laboratory noted the nitrocellulose was not documented on the chain-of-custody for several samples. The laboratory was contacted and the samples were analyzed for nitrocellulose. No validation was required.

Explosives/ Nitroglycerin – No qualification was made. Some target compounds eluted out of retention time windows for CCAL standards.

Volatiles – Acrylonitrile was qualified as estimated due to continuing calibration percent difference exceeding 25% for samples SB-R-J8-02(0.5-1.0), SB-R-J8-02(2.0-2.5), SB-R-K8-01(1.75-2.25), SB-R-K9-02(0.5-1.0), SB-R-J8-02(0.5-1.0)DUP, SB-R-J9-04(0.5-1.0), SB-R-K8-01(4.0-4.5), SB-R-K9-02(4.5-5.0), SB-R-K9-03(0.5-1.0), SB-R-K10-03(0.75-1.25). Trip blank TB-04052006 was ND for all compounds.

Semivolatiles – No qualification of data.

Pesticides/PCBs – No qualification of data.

Metals – All antimony results were qualified as estimated due to low MS/MSD %Recovery. Samples SB-R-J8-02(0.5-1.0), SB-R-J8-02(2.0-2.5), SB-R-K8-01(1.75-2.25), SB-R-K9-02(0.5-1.0), SB-R-J8-02(0.5-1.0)DUP, SB-R-J9-04(0.5-1.0), SB-R-K8-01(4.0-4.5), SB-R-K9-02(4.5-5.0), SB-R-K9-03(0.5-1.0), SB-R-K10-03(0.75-1.25) were qualified as estimated for zinc due to low MS/MSD %Recovery and serial dilution exceedance.

General Chemistry – Nitrocellulose was qualified as estimated for sample SB-R-L8-04(6.5-7.0) due to very low matrix spike and spike duplicate recovery.

Field duplicates – Field duplicate pair SB-R-L10-04(0.5-1.0)/DUP were collected and all results compared.

Other Comments –None.

SDG KVL72

Sample Receipt and Custody Documentation: The laboratory originally reported a set of compounds for the trip blank sample that were not the target compounds associated with the field samples. A revision was requested and sent to the validator. The laboratory noted that two extra samples were received in the shipment but were not on the COC: SB-R-I8-03(4.5-5.0) and SB-R-K8-02(0.5-1.0). The laboratory was contacted and the samples were analyzed. The laboratory noted that COC had extra “O’s” in the sample IDs. No validation was required.

Explosives/ Nitroglycerin – Samples SB-R-H7-01(0.5-1.0) and SB-R-M8-01(0.5-1.0) were qualified for RDX due to the percent difference between the primary and confirmation columns exceeding 25%.

Volatiles – No qualification of data.

Semivolatiles – No qualification of data.

Pesticides/PCBs – No qualification of data.

Metals – Thallium was qualified as estimated for samples SB-R-J6-02(0.5-1.0), SB-R-J8-02(0.5-1.0)dup due to associated preparation blank contamination. Cadmium, zinc and antimony results were qualified as estimated due to low MS/MSD recovery and also zinc for serial dilution recovery for samples SB-R-H7-01(0.5-1.0), SB-R-H7-01(4.0-4.5), SB-R-I7-01(0.5-1.0), SB-R-I7-01(4.5-5.0), SB-R-H7-02(0.5-1.0), SB-R-H7-02(4.5-5.0), SB-R-I7-02(0.5-1.0), SB-R-I7-02(4.0-4.5), SB-R-H6-01(1.0-1.5), SB-R-H6-01(5.0-5.5), SB-R-K8-02(5.0-5.6), SB-R-K8-03(0.5-1.0), SB-R-L8-02(0.5-1.0), SB-R-L8-02(4.5-5.0), SB-R-L8-03(0.5-1.0), SB-R-L8-03(4.0-4.5), SB-R-M8-01(0.5-1.0) and SB-R-M8-01(4.5-5.0).

General Chemistry – Nitrocellulose was qualified as estimated for all samples due to laboratory precision exceedance, and for parent sample SB-R-J6-02(4.0-4.5) due to low matrix spike and spike duplicate recovery.

Field duplicates – Field duplicate pair SB-R-L10-04(0.5-1.0)/DUP were collected and all results compared.

Other Comments –.

SDG KVL74

Sample Receipt and Custody Documentation: The laboratory originally reported a set of compounds for the trip blank sample that were not the target compounds associated with the field samples. A revision was requested and sent to the validator.

Explosives/ Nitroglycerin – Sample SB-R-J7-02(0.5-1.0) was qualified as estimated for 2,4,6-trinitrotoluene due to the percent difference between the primary and confirmatory column being greater than 25%.

Volatiles – No qualification of data.

Semivolatiles – No qualification of data.

Pesticides/PCBs – No qualification of data.

Metals – Mercury results were qualified as estimated due preparation blank contamination for samples SB-R-I7-03(4.5-5.0), SB-R-I7-03(4.5-5.0)DUP, SB-R-I7-04(0.5-1.0), SB-R-I7-04(4.5-5.0), SB-R-J7-01(5.0-5.5), SB-R-J7-02(4.5-5.0), SB-R-J7-03(0.5-1.0), SB-R-J7-04(0.5-1.0), SB-R-K7-01(0.5-1.0), SB-R-K7-01(4.5-5.0), SB-R-K7-02(1.0-1.5), SB-R-K7-02(4.5-5.0), SB-R-K7-03(1.0-1.5), SB-R-K7-03(4.0-4.5).

All samples were qualified as estimated for antimony and cadmium due to low matrix spike recovery. All samples were qualified as estimated for copper due to laboratory duplicate exceedance. All samples were qualified as estimated for zinc due to serial dilution.

General Chemistry – No qualification of data.

Field duplicates – Field duplicate pair SB-R-I7-03(4.5-5.0)/DUP were collected and all results compared with the exception of lead and zinc. No action is taken for field duplicate precision.

Other Comments – TB-04112006 all ND.

SDG KVL78

Sample Receipt and Custody Documentation: No problems noted.

Volatiles: No qualification of data.

Semivolatiles – The laboratory notes insufficient sample available for SB-R-L6-02(0.5-1.0), therefore reporting limits were elevated.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerin – No qualification of data.

Metals – Antimony results were qualified as estimated in all samples due to low matrix spike recovery.

General Chemistry – Nitrocellulose was qualified as estimated for all samples due to the duplicate precision being exceeded.

Field duplicates – Field duplicate pair SB-R-O5-03(0.5-1.0)/ SB-R-O5-03(0.5-1.0)DUP were collected but not reported in this SDG.

Other Comments – None.

SDG KVL79

Sample Receipt and Custody Documentation: No problems were noted.

Explosives/ Nitroglycerin – No qualification of data.

Semivolatiles – No qualification of data.

Metals – Cadmium, antimony and zinc results were qualified as estimated in all samples due to low matrix spike recovery. Lead was qualified as estimated for all samples due to laboratory duplicate precision exceedance. Zinc was qualified as estimated for all samples due to serial dilution criteria exceedance.

General Chemistry – Nitrocellulose was qualified as estimated in the parent sample, SB-R-P7-02(0.5-1.0) due to low matrix spike recovery. Nitrocellulose was qualified as estimated for all samples due to the duplicate precision being exceeded.

Field duplicates – Field duplicate pair SB-R-P7-01(0.5-1.0)/ SB-R-P7-01(0.5-1.0)DUP were collected and all results compared.

Other Comments – None.

SDG KVL80

Sample Receipt and Custody Documentation: The laboratory detailed incomplete custody for the samples in the laboratory in the case narrative. No action was taken and the sample integrity was considered maintained.

Volatiles: Samples SB-R-M7-02(4.5-5.0) and SB-R-K6-04(0.5-1.0) were qualified as estimated for all compounds due to surrogate recovery.

Semivolatiles – No qualification of data.

Pesticides/PCBs – No qualification of data.

Explosives/ Nitroglycerin – No qualification of data.

Metals – Antimony and zinc results were qualified as estimated in all samples with the exception of SB-R-N5-01(0.5-1.0) and SB-R-N5-01(0.5-1.0)dup due to low matrix spike recovery. Copper was qualified as estimated for samples SB-R-N5-01(0.5-1.0) and SB-R-N5-01(0.5-1.0)dup due to laboratory duplicate precision exceedance. Zinc was qualified as estimated for all samples with the exception of SB-R-N5-01(0.5-1.0) and SB-R-N5-01(0.5-1.0)dup due to laboratory duplicate precision exceedance. Copper and zinc were qualified as estimated for all samples with the exception of SB-R-N5-01(0.5-1.0) and SB-R-N5-01(0.5-1.0)dup due to serial dilution criteria exceedance.

General Chemistry – NC was qualified as estimated in the parent sample, SB-R-P7-02(0.5-1.0) due to low matrix spike recovery. Nitrocellulose was qualified as estimated for all samples due to the duplicate precision being exceeded.

Field duplicates – Field duplicate pair SB-R-O5-03(0.5-1.0)/ SB-R-O5-03(0.5-1.0)DUP were collected but not reported in this SDG.

Other Comments – None.

SDG KVL82

Sample Receipt and Custody Documentation: No problems were noted.

Volatiles – No qualification of data.

Semivolatiles – No qualification of data.

PCBs - No qualification of data.

Explosives/ Nitroglycerin – Samples SB-R-H6-02(1.0-1.5), SB-R-H6-02(2.0-2.5), SB-R-I6-02(4.0-4.5), SB-R-I6-02(0.5-1.0), SB-R-H5-02(1.0-1.5), SB-R-H5-01(4.0-4.5), SB-R-H5-01(4.0-4.5), SB-R-I6-03(1.0-1.5), SB-R-I6-03(2.5-3.0), SB-R-I5-02(0.5-1.0), SB-R-I6-04(1.0-1.5), SB-R-I6-04(4.0-4.5) and SB-R-J6-01(0.5-1.0) were qualified as estimated for 2,4,6-trinitrotoluene due to the CCAL%D exceeding 15%.

Metals – Antimony results were qualified as estimated in all samples due to low matrix spike recovery. All zinc results were qualified as estimated for low matrix spike recovery and laboratory duplicate exceedance, except samples SB-R-I6-04(4.0-4.5) and SB-R-H5-01(4.0-4.5). Samples SB-R-I6-04(4.0-4.5) and SB-R-H5-01(4.0-4.5) were qualified as estimated for arsenic, copper and lead for low MS recovery, as estimated for arsenic and lead for duplicate precision exceedance, and for nickel for serial dilution exceedance. Mercury was qualified as estimated for the following samples due to method blank contamination: SB-R-JI6-01(4.0-4.5), SB-R-J6-01(4.0-4.5)DUP, SB-R-K6-01(0.5-1.0), SB-R-I5-01(0.5-1.0), SB-R-I6-03(1.0-1.5), SB-R-I6-03(2.5-3.0), SB-R-H6-02(1.0-1.5), SB-R-H6-02(2.0-2.5), SB-R-H5-01(4.0-4.5), SB-R-I5-02(0.5-1.0), SB-R-I6-04(4.0-4.5) and SB-R-H5-01(4.0-4.5)DUP.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample SB-R-I5-01(2.0-2.5) due to the low matrix spike recovery. All nitrocellulose results were qualified as estimated for laboratory duplicate precision exceedance.

Field duplicates – Field duplicate pairs SB-R-H5-01(4.5-5.0)/SB-R-H5-01(4.5-5.0)DUP, and SB-R-J6-01(4.5-5.0)/SB-R-J6-01(4.5-5.0)DUP were collected and reported in this SDG with comparable results.

Other Comments: Equipment blank sample EQB-04252006-XRF was collected and all results were ND.

SDG KVL83

Sample Receipt and Custody Documentation: No problems were noted.

Volatiles – No qualification of data.

Semivolatiles – No qualification of data.

PCBs - No qualification of data.

Explosives/ Nitroglycerin – Samples SB-R-P6-03(0.5-1.0), SB-R-P6-03(2.0-2.5), SB-R-P5-01(0.5-1.0) and SB-R-P5-01(4.0-4.5) were qualified as estimated due to the cooler temperature exceeding 4 °C (5.5 °C).

Metals – Antimony and cadmium results were qualified as estimated in all samples due to low matrix spike recovery. All copper and zinc results were qualified as estimated in all samples due to serial dilution exceedance.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample SB-R-L6-04(5.0-5.5) due to the low matrix spike recovery.

Field duplicates – Field duplicate pair SB-R-L6-03(0.5-1.0)/ SB-R-L6-03(0.5-1.0)Dup was collected and reported in this SDG with comparable results.

Other Comments: Trip blank samples TB-04212006 and TB-04252006 were collected and all results were ND.

SDG KVL84

Sample Receipt and Custody Documentation: No problems were noted.

Volatiles – No qualification of data.

Semivolatiles – No qualification of data.

Explosives/ Nitroglycerin – All samples were qualified as estimated due to the cooler temperature exceeding 4 °C (5.5 °C).

Metals – Antimony, lead and mercury results were qualified as estimated in all samples due to low matrix spike recovery. All arsenic results were qualified as estimated in all samples due to serial dilution exceedance. All copper results were qualified as estimated due to laboratory duplicate criteria exceedance. Thallium was qualified as 'J' for sample results that were less than five times the preparation blank value, which included samples SB-R-J5-01(2.5-3.0), SB-R-J5-02(1.0-1.5), SB-R-R6-01(1.0-1.5), SB-R-Q7-01(0.5-1.0), SB-R-G7-01(5.5-6.0), SB-R-R7-02(0.5-1.0)Dup, SB-R-R7-02(2.0-2.5), SB-R-R6-02(0.5-1.0) and SB-R-R6-02(4.0-4.5).

General Chemistry – Nitrocellulose was qualified as estimated for all samples due to the duplicate precision being exceeded.

Field duplicates – Field duplicate pair SB-R-Q7-01(0.5-1.0)/ SB-R-Q7-01(0.5-1.0)Dup was collected and reported in this SDG with comparable results.

Other Comments – None.

SDG KVL85

Sample Receipt and Custody Documentation: The laboratory noted that sample SB-R-N5-02(0.5-1.0) was received outside the NJ weight of 8-12g for VOCs. The sample was analyzed for VOCs. No validation was required.

Volatiles – No qualification of data.

Semivolatiles – No qualification of data.

PCBs - No qualification of data.

Explosives/ Nitroglycerin – No qualification of data.

Metals – Antimony results were qualified as estimated in all samples due to low matrix spike recovery. Samples SB-R-N5-02(6.0-6.5), SB-R-N5-02(6.0-61.5)dup, SB-R-O5-01(5.5-6.0), SB-R-O5-04(4.0-4.5), SB-R-P5-04(2.0-2.5) and SB-R-Q6-04(4.0-4.5) were qualified as estimated for mercury due to associated blank contamination.

General Chemistry – Nitrocellulose was qualified as estimated all samples due to the duplicate precision being exceeded, and also the parent sample due to the low matrix spike recovery.

Field duplicates – A field duplicate pair was not collected for this dataset.

Other Comments: Trip blank sample TB-04262006 and equipment blank EQB-04272006-XRF were collected and all results were ND with the exception of zinc in the equipment blank at 0.0053 mg/L. No data were qualified due to the equipment blank.

SDG KVL86

Sample Receipt and Custody Documentation: The laboratory noted that sample SB-R-O8-01(0.5-1.0) and SB-R-O8-01(5.5-6.0) should be labeled SB-R-O8-O3. The laboratory was contacted and the samples were identified and analyzed. No validation was required.

Volatiles – No qualification of data.

Semivolatiles – Internal standard perylene-d12 was outside area limits, therefore associated compounds were qualified as estimated for sample SB-R-M7-03(0.75-1.25).

Explosives/ Nitroglycerin – No qualification of data.

Metals – All antimony results were qualified as estimated in all samples due to low matrix spike recovery. All selenium results were qualified as estimated in all samples with the exception of samples SB-R-H6-03(4.25-4.75) and SB-R-H6-03(4.25-4.75) due to low matrix spike recovery. Thallium was qualified as 'J' for sample results that were less than five times the preparation blank value, which included all samples with the exception of SB-R-O5-01(0.5-1.0)DUP, SB-R-M7-03(0.75-1.25), SB-R-N7-02(1.0-1.5), SB-R-N7-03(1.0-1.5), SB-R-M9-05(0.5-1.0), SB-R-L9-04(0.5-1.0) and SB-R-O8-03(5.5-6.0).

General Chemistry – Nitrocellulose was qualified as estimated for samples SB-R-O9-01(4.0-4.5) and SB-R-H6-03(4.25-4.75) due to low matrix spike recovery and also for duplicate precision exceedance.

Field duplicates – Field duplicate pair SB-R-O5-03(0.5-1.0)/ SB-R-O5-03(0.5-1.0)Dup was collected and reported in this SDG with comparable results.

Other Comments – Trip blank samples TB-04272006, TB-04282006 and TB-05112006, and equipment blank sample EQB-04282006 were collected and all results were ND.

SDG KVL87

Sample Receipt and Custody Documentation – No issues were noted.

Volatiles – No qualification was made.

Semivolatiles – Internal standard perylene-d12 was out of control; the associated compounds were qualified as estimated for SB-R-H10-04(1.0-1.5) and SB-R-H13-01(0.5-1.0).

Explosives/ Nitroglycerin – Compound 1,3-DNB was qualified as estimated in SB-R-H10-04(1.0-1.5) due to the %D between the primary and confirmation columns exceeding 25%.

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in parent SB-R-H9-01(5.0-5.5) due to the MS/MSD RPD exceeding the QC limits.

Metals – All soil samples were qualified as estimated for antimony due to low MS %R. All samples were qualified as estimated for zinc due to serial dilution exceedance.

Field duplicates – Field duplicate pair SB-R-H10-04(5.0-5.5)/SB-R-H10-04(5.0-5.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVL88

Sample Receipt and Custody Documentation – No issues were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin – CCAL standard 1C12128.65R, from the confirmation column, exceeded 15%D for 4-Amino-2,6-dinitrotoluene. Since the primary column detected a value > MDL, and the confirmation run was out of control for that compound,

the primary result was suspect. Consequently, 4-Amino-2,6- dinitrotoluene in associated sample SB-R-H12-02(4.0-4.5) was qualified as estimated.

General Chemistry (Nitrocellulose) –Nitrocellulose was qualified as estimated in parent SB-R-I12-01(4.0-4.5) due to low MS/MSD %R.

Metals – All soil samples were qualified as estimated for antimony due to low MS %R.

Field duplicates – Field duplicate pairs SB-R-P6-04(2.5-3.0)/SB-R-P6-04(2.5-3.0)_DUP and SB-R-I12-01(1.0-1.5)/SB-R-I12-01(1.0-1.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVL89

Sample Receipt and Custody Documentation – No issues were noted.

Volatiles – All compounds were qualified as estimated in SB-R-G10-01(0.5-1.0) and SB-R-G10-01(0.5-1.0)_DUP due to out of control surrogate recovery. Acrylonitrile was qualified as estimated for TB-05042006 due to the %D exceeding 25%.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/Nitroglycerin – The lab narrative noted that due to coelution of nitrobenzene with 2,4,6-TNT on the primary column (1E12131), the 2,4,6-trinitrotoluene results were reported from the confirmation column (1C12131). No qualifications were made.

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in all soil samples due to the MS/MSD precision exceedance. Nitrocellulose was qualified as estimated in parent SB-R-H10-01(2.0-2.5) due to low MS/MSD %R.

Metals – All soil samples were qualified as estimated for antimony, copper, and zinc due to low MS %R. All soil samples were qualified as estimated for copper, lead, mercury, and zinc due to lab duplicate precision exceedance. Due to blank contamination, silver was qualified as estimated for all soil samples except: SB-R-I11-04(5.0-5.5), SB-R-H11-01(1.0-1.5), SB-R-H12-04(0.5-1.0), and SB-R-G10-01(0.5-1.0).

Field duplicates – Field duplicate pair SB-R-G10-01(0.5-1.0) and SB-R-G10-01(0.5-1.0)_DUP were collected and analyzed in this data set. All results except Arochlor 1260 compared. No action was taken based on the field duplicate results.

Other Comments – None.

SDG KVL90

Sample Receipt and Custody Documentation – No issues were noted.

Volatiles – All compounds were qualified as estimated for SB-R-G12-01(0.5-1.0), SB-R-G12-03(0.5-1.0), SB-R-G11-04(1.0-1.5), and SB-R-G11-04(5.0-5.5) due to surrogate recovery outside of the control limits.

Semivolatiles – No qualification was made.

Pesticides/PCBs – Arochlor 1260 was qualified as estimated for SB-R-F11-01(0.5-1.0), SB-R-G11-01(0.5-1.0), and SB-R-G12-01(0.5-1.0), and Arochlor 1254 was qualified as estimated for SB-R-G11-01(0.5-1.0), due to the associated CCAL %Ds exceeding 20% (positive results were qualified).

Explosives/Nitroglycerin – In SB-R-G12-01(0.5-1.0), 2-Amino-4,6-dinitrotoluene and 4-Amino-2,6-dinitrotoluene were qualified as estimated due to low MS/MSD %R.

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in parent SB-R-G12-02(1.0-1.5) due to low MS/MSD %R.

Metals – All soil samples were qualified as estimated for antimony and zinc due to low MS %R.

Field duplicates – No field duplicate pairs were included in KVL90.

Other Comments – None.

SDG KVL93

Sample Receipt and Custody Documentation: No problems were noted.

Volatiles – Samples SB-R-F11-02(1.75-2.25) and SB-R-G10-03(0.75-1.25) were qualified as estimated for surrogate recovery exceedance.

Semivolatiles – The internal standard perylene-d12 was outside of the area criteria for samples SB-R-G10-02(1.0-1.15), SB-R-E10-01(1.25-1.75) and SB-R-F10-01(1.33-1.83), therefore associated compounds were qualified as estimated.

Explosives/ Nitroglycerin – All samples were qualified as estimated due to the cooler temperature exceeding 4 °C (5.0 °C). Sample SB-R-G10-02(1.0-1.5) was qualified as estimated for 1,3-dinitrobenzene due to the percent difference between the primary and confirmation column exceeding 25%.

Metals – Antimony was qualified as estimated in all samples due to low matrix spike recovery.

General Chemistry – Nitrocellulose was qualified as estimated for all samples due to the duplicate precision being exceeded. Parent sample SB-R-F11-03(4.0-4.5) was qualified as estimated for nitrocellulose due to low matrix spike recovery.

Field duplicates – Field duplicate pair SB-R-Q7-01(0.5-1.0)/ SB-R-Q7-01(0.5-1.0)Dup was collected and reported in this SDG with comparable results.

Other Comments – None.

SDG KVL94

Sample Receipt and Custody Documentation: No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – The internal standard perylene-d12 and/or 1,4-dichlorobenzene-d8 was outside of the area criteria for samples SB-R-F10-03(0.75-1.25), SB-R-G9-02(1.0-1.5), SB-R-F9-01(1.0-1.5) and SB-R-F9-03(0.75-1.25), therefore associated compounds were qualified as estimated.

PCBs - No qualification was made.

Explosives/ Nitroglycerin – All samples were qualified as estimated due to the cooler temperature exceeding 4 °C (4.9 °C). Sample SB-R-G9-02(1.0-1.5) was qualified as estimated for RDX due to the percent difference between the primary and confirmation column exceeding 25%.

Metals – Antimony was qualified as estimated in all samples due to low matrix spike recovery. Thallium was qualified in all samples except SB-R-G9-01(4.75-5.25), /DUP and SB-R-E9-01(4.5-5.0) for associated blank contamination.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample SB-R-E9-01(4.5-5.0) due to low matrix spike recovery.

Field duplicates – Field duplicate pair SB-R-Q7-01(0.5-1.0)/ SB-R-Q7-01(0.5-1.0)Dup was collected and reported in this SDG with comparable results.

Other Comments – None.

SDG KVL96

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles - No qualification was made.

Semivolatiles – Internal standard area for perylene-d12 was in the initial analysis and re-analyses, resulting in associated compounds being qualified as estimated for SB-R-F9-04(1.67-2.17).

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin – The laboratory inadvertently added spike amounts to the LCS, MS, and MSD that were approximately 10 times lower than normal for the method. With one exception (nitroglycerin, see below), all LCS, MS, and MSD compounds were recovered within limits, so no qualification was necessary. Nitroglycerin in SB-R-G8-01(0.97-1.42), the field sample used for the MS/MSD, was qualified as estimated due to the high MSD %R. The %RPD for nitroglycerin was within the 50% RPD limit.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample SB-R-G8-01(0.97-1.42), due to low MS and MSD %R.

Metals – Antimony, arsenic, copper, lead, and selenium in all samples were qualified as estimated for low MS %R. All positive zinc results were qualified as estimated due to high MS %R. Lead, nickel, and zinc in all samples were qualified as estimated due to laboratory duplicate precision exceedance. Copper and zinc in all samples were qualified as estimated for serial dilution exceedance.

Field duplicates – Field duplicate pairs SB-R-H8-01(2.0-2.5)/SB-R- H8-01(2.0-2.5)_DUP and SB-R-G8-01(0.97-1.42)/SB-R-G8-01(0.97-1.42)_DUP were collected and analyzed in this data set. All results compared for pair SB-R-H8-01(2.0-2.5)/SB-R- H8-01(2.0-2.5)_DUP. For pair SB-R-G8-01(0.97-1.42)/SB-R-G8-01(0.97-1.42)_DUP, lead and nickel were out of QC limits. No action was taken.

Other Comments – none.

SDG KVL97

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles - No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin –. The laboratory inadvertently added spike amounts to the LCS, MS, and MSD that were approximately 10 times lower than normal for the method. With one exception (1,3-dinitrobenzene, see below), all LCS, MS, and MSD compounds were recovered within limits, so no qualification was necessary.

General Chemistry – Nitrocellulose for all samples was qualified as estimated for precision, due to the matrix spike duplicate recovering out of limits. No laboratory duplicate was analyzed.

Metals –Antimony and copper were qualified as estimated for all samples due to low MS %Rec. Copper, nickel, and zinc were qualified as estimated for all samples due to laboratory duplicate precision exceedances.

Field duplicates – Field duplicate pair SB-R-G8-03 (2.5-3.0)/ SB-R-G8-03 (2.5-3.0)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM01

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles - All volatile compounds for sample SB-R-I12-04(0.5-1.0) were qualified as estimated due to low surrogate %R.

Semivolatiles – No qualification was made.

Pesticides/PCBs – For sample SB-R-H13-03(0.5-1.0), Arochlor 1260 was qualified as estimated due to the %D between primary and confirmation columns exceeding 25%.

Explosives/ Nitroglycerin – For sample SB-R-I13-01(0.5-1.0), compounds 2,4,6-trinitrotoluene and nitroglycerin were qualified as estimated due to the surrogate % recovery exceeding the advisory limits. The laboratory reported unresolvable matrix interference.

General Chemistry – Nitrocellulose results for all samples were qualified as estimated for precision exceedance, due to the MS/MSD %RPD exceeding limits. The laboratory did not run a separate duplicate.

Metals –Antimony results for all samples were qualified as estimated due to low MS % recovery. Zinc was qualified as estimated for all of the samples due to the serial dilution

Field duplicates – Field duplicate pair SB-R-I2-02 (4.0-4.5)/ SB-R- I2-02 (4.0-4.5)_DUP were collected and analyzed in this data set. All results compared

Other Comments – None.

SDG KVM02

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles - No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin – The LCS %R was out high for all compounds. The laboratory reported that all samples were re-extracted, while the holding time expired prior to the re-extraction, the results were reported from the original data. Comparison of raw data from the two results indicated that similar results were obtained for all samples. The positive result in the batch (nitroglycerin for sample SB-R-E11-02(0.5-2.0)) was qualified as estimated based on the LCS %R exceedances. The MS %R and MSD %R exceeded the QC limits for all compounds. The %RPD for all compounds were within limits. All results for the parent sample, SB-R-F13-01(4.0-4.5), were qualified as estimated for accuracy. Nitroglycerin for sample SB-R-E11-02(0.5-2.0) was qualified as estimated due to the %D between the primary and confirmation columns exceeding 25%.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample SB-R-F13-01(4.0-4.5) due to low MS recovery. All nitrocellulose results were qualified as estimated due to laboratory duplicate precision.

Metals – All samples were qualified as estimated for antimony due to low MS recovery. All zinc results were qualified as estimated for serial dilution exceedance.

Field duplicates – Field duplicate pairs SB-R-G13-01(5.5-6.0)/SB-R-G13-01(5.5-6.0)_DUP, SB-R-F12-01(2.0-2.5)/ SB-R-F12-01(2.0-2.5)_DUP, and SB-R-F13-01(4.0-4.5)/SB-R-F13-01(4.0-5.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – none.

SDG KVM07

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles - No qualification was made.

Semivolatiles – Internal standard area for perylene-d12 was low; therefore associated compounds were qualified as estimated in sample SB-R-C13-01(0.83-1.33).

Pesticides/PCBs – The lab narrative did not mention high surrogate %R for SB-R-C13-01(4.25-4.75). One compound is allowed to exceed the surrogate QC limits; consequently, no action was taken. Aroclor 1260 was qualified as estimated for SB-R-F11-04(0.5-1.0) due to the %D exceeding the 25% criterion.

Explosives/ Nitroglycerin – The 2-Amino-4,6-dinitrotoluene result was qualified as estimated for sample SB-R-B13-02(4.0-4.5) due to MS %R exceeding the QC limits. The laboratory estimated the HMX spike amount for the LCS and MS. HMX results for all soil samples were qualified as estimated due to uncertainty in spike solution amounts.

General Chemistry –All soil nitrocellulose results were qualified as estimated due to duplicate exceedance. The nitrocellulose result for parent sample SB-R-B13-02(4.0-4.5) was qualified as estimated due to low MS %R.

Metals – All soil samples were qualified as estimated for antimony and mercury due to low MS %R.

Field duplicates – Field duplicate pairs SB-R-B13-01(2.0-2.5)/SB-R-B13-01(2.0-2.5)_DUP and SB-R-B13-02(4.0-4.5)/SB-R-B13-02(4.0-4.5) were collected and analyzed in this data set. All results compared.

Other Comments – none.

SDG KVM12

Sample Receipt and Custody Documentation – No issues noted.

Volatiles - All compounds were qualified as estimated for samples SB-R-B13-02(0.5-1.0), SB-R-B13-03(0.5-1.0), and SB-R-B13-03(2.0-2.5) due to low surrogate %R.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin –. No qualification was made.

General Chemistry (Nitrocellulose)– No qualification was made.

Metals – Zinc was qualified as estimated in SB-R-A11-01(0.5-1.0) and SB-R-A11-01(0.5-1.0)_DUP due to prep blank contamination. Antimony was qualified as estimated for all soil samples due to low MS %R.

Field duplicates – Field duplicate pair SB-R-B13-03(2.0-2.5)/SB-R-B13-03(2.0-2.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM15

Sample Receipt and Custody Documentation - The laboratory noted that one jar was received with no label and it was for SB-R-B13-04 at 9:45. The laboratory was contacted and the sample was identified and analyzed. No validation was required.

Volatiles -No qualification was made.

Semivolatiles – The area was low for internal standard perylene-d12. The associated compounds were qualified as estimated for SB-R-B13-04(0.5-1.0) and SB-R-A12-04(0.5-1.0).

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin – The 2,4,6-trinitrotoluene result for SB-R-B13-04(2.5-3.0) was qualified as estimated due to the %D between the primary and confirmation runs exceeding the 25% criterion. All compounds for the following soil samples were qualified as estimated due to cooler temperature exceedance: SB-R-B12-03(0.5-1.0), SB-R-B12-03(2.5-3.0), SB-R-A12-01(0.5-1.0), SB-R-A12-01(4.0-4.5), SB-R-A12-02(0.5-1.0), SB-R-A12-02(0.5-1.0)_DUP, SB-R-B12-04(0.5-1.0), SB-R-B12-04(4.0-4.5), SB-R-A12-04(0.5-1.0), and SB-R-A12-04 (4.5-5.0).

General Chemistry – Nitrocellulose was qualified as estimated for all soil samples because the lab duplicate %RPD was out of limits. The parent sample, SB-R-A13-04(5.0-5.5), was qualified due to low MS %R.

Metals – All soil samples were qualified as estimated for antimony due to low MS %R.

Field duplicates – Field duplicate pair SB-R-A13-04(0.5-1.0)/SB-R-A13-04(0.5-1.0)_DUP, SB-R-A13-04(5.0-5.5)/SB-R-A13-04(5.0-5.5)_DUP, and SB-R-A12-02(0.5-1.0)/SB-R-A12-02(0.5-1.0)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM18

Sample Receipt and Custody Documentation – All energetics/explosives compounds for sample SB-R-A12-02(4.0-4.5) were qualified as estimated due to cooler temperature exceedance per Region II guidance.

Volatiles – All compounds for SB-R-B11-02(0.5-1.0), SB-R-C10-01(4.5-5.0), and SB-R-B10-02(0.5-1.0) were qualified as estimated due to out of control surrogate recovery.

Semivolatiles – Benzo(a)anthracene was qualified as estimated in SB-R-B11-02(0.5-1.0), SB-R-C10-01(0.5-1.0), and SB-R-B10-02(0.5-1.0) due to high surrogate recovery. Benzo(b)fluoranthene was qualified as estimated for SB-R-B11-02(0.5-1.0), SB-R-B11-02(0.5-1.0)_DUP, SB-R-B11-03(0.5-1.0), SB-R-C10-01(0.5-1.0), and SB-R-B10-02(0.5-

1.0) due to high surrogate recovery. The area was low for internal standard perylene-d12; associated compounds were qualified as estimated for SB-R-B11-02(0.5-1.0), SB-R-B11-02(0.5-1.0)_DUP, SB-R-B11-03(0.5-1.0), SB-R-B11-03(4.5-5.0), and SB-R-B10-02(0.5-1.0).

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin – All compounds were qualified as estimated for SB-R-A12-02(4.0-4.5) due to cooler temperature exceedance. The surrogate recovery was out high for sample SB-R-B11-03(0.5-1.0). No target compounds were detected, so no action was necessary. CICAL standard 7C12135.15 exceeded 15%D for HMX. Since the primary column detected a value > MDL, and the confirmation run was out of control for that compound, the primary result was suspect. Therefore, HMX in associated samples SB-R-B11-02(0.5-1.0) and SB-R-C10-01(4.5-5.0) was qualified as estimated. Due to the %D between the primary and confirmation columns exceeding 25%, 4-Amino-2,6-dinitrotoluene was qualified as estimated for SB-R-B11-02(0.5-1.0).

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate exceedance. Nitrocellulose was qualified as estimated in parent SB-R-A12-02(4.0-4.5) due to low MS recovery.

Metals – All samples were qualified as estimated for antimony due to low MS %R. All samples were qualified as estimated for copper due to lab duplicate exceedance.

Field duplicates – Field duplicate pairs were collected and analyzed in this data set, and were evaluated as follows:

- SB-R-A12-02(4.0-4.5)/SB-R-A12-02(4.0-4.5)DUP: all results compare.
- SB-R-B10-01(0.5-1.0)/SB-R-B10-01(0.5-1.0)DUP: all results compared.
- SB-R-B11-02(0.5-1.0)/SB-R-B11-02(0.5-1.0)DUP: results compared with the exception of 2,4,6-TNT; 4-Amino-2,6-dinitrotoluene; 2-Am-4,6-dinitrotoluene; 2,4-2,6- dinotrotoluene, 2,4- dinotrotoluene, and 2,6-dinitrotoluene. No action was taken for the field duplicates.

Other Comments – None.

SDG KVM20

Sample Receipt and Custody Documentation – No issues noted.

Volatiles - No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – Compound RDX was qualified as estimated for OB-1 due to the initial and confirmation column percent difference exceeding 25% (55%).

Explosives/ Nitroglycerin –. No qualification was made.

General Chemistry – Nitrocellulose for sample SB-R-B11-02(6.0-6.5) was qualified as estimated due to the %R and duplicate %RPD out of QC limits.

Metals – All soil samples were qualified as estimated for antimony, cadmium, and zinc for low MS %R.

Field duplicates – Field duplicate pair SB-R-B11-02(6.0-6.5)/SB-R-B11-02(6.0-6.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – No trip blanks were provided in this dataset.

SDG KVM21

Sample Receipt and Custody Documentation – No issues were noted.

Volatiles - No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – Compound RDX was qualified as estimated for OB-1 due to the initial and confirmation column percent difference exceeding 25% (55%).

Explosives/ Nitroglycerin –. No qualification was made.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample SB-R-B10-01(4.5-5.0) due to low MS %R.

Metals – All soil samples were qualified as estimated for antimony due to low MS %R. All soil samples were qualified as estimated for nickel due to lab duplicate precision exceedance.

Field duplicates – Field duplicate pair SB-R-B10-01(4.5-5.0)/SB-R-B10-01(4.5-5.0)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM23

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – Samples SB-R-F13-02(4.5 – 5.0) and SB-R-E12-02(0.5 – 1.0) were qualified as estimated for all compounds due to surrogate recovery.

Semivolatiles – No qualification was made.

Explosives/ Nitroglycerin – No qualification was made.

General Chemistry – Parent sample SB-R-E12-01(3.0 – 3.5) was qualified as estimated for NC due to zero percent matrix spike and matrix spike duplicate recovery.

Metals – All soil samples were qualified as estimated for antimony and cadmium due to low matrix spike recovery.

PCBs – Sample SB-R-E11-04(0.5 – 1.0) was qualified as estimated for AR1254 due to the %D between the primary and confirmation column exceeding 25%.

Field duplicates – Field duplicate pair SB-R-E12-01(0.5-1.0)/ SB-R-E12-01(0.5-1.0)Dup was collected and analyzed in this data set. All results compared.

Other Comments – Trip blank sample TB-05262006 was collected, and all results were ND.

SDG KVM24

Sample Receipt and Custody Documentation - The laboratory noted that one container for the MS/MSD sample was missing. No action was taken.

Volatiles – All compounds for SB-R-F12-04(0.5-1.0) and SB-R-F12-04(2.5-3.0) were qualified as estimated due to low surrogate recovery.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin – All compounds for the following samples were qualified as estimated due to cooler temperature exceedance: SB-R-F12-04(0.5-1.0), SB-R-F12-04(2.5-3.0), SB-R-F13-03(0.5-1.0), SB-R-F13-03(0.5-1.0)_DUP, SB-R-F13-03(4.5-5.0), SB-R-E13-02(0.5-1.0), and SB-R-E13-02(5.0-5.5).

General Chemistry (Nitrocellulose) – No qualification was made.

Metals – All soil samples were qualified as estimated for antimony and zinc due to low matrix spike recovery. Zinc in all soil samples was qualified as estimated due to lab duplicate precision exceedance. Zinc in all soil samples was qualified as estimated for serial dilution exceedance.

Field duplicates – Field duplicate pairs SB-R-F13-03(0.5-1.0)/SB-R-F13-03(0.5-1.0)_DUP and SB-R-F13-03(4.5-5.0)/SB-R-F13-03(4.5-5.0)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM25

Sample Receipt and Custody Documentation – No issues noted.

Volatiles - No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin – All compounds for the following soil samples were qualified as estimated due to cooler temperature exceedance: SB-R-C11-01(6.5-7.0), SB-R-C11-02(1.0-1.5), SB-R-C11-02(4.5-5.0), SB-R-D11-02(0.5-1.0), and SB-R-D11-02(6.6.5).

General Chemistry (Nitrocellulose) – All nitrocellulose results for all soil samples were qualified as estimated due to MS/MSD %RPD exceedance. Nitrocellulose for the MS/MSD parent, SB-R-C11-01(6.5-7.0) was qualified as estimated due to %R out of QC limits.

Metals – All samples were qualified as estimated for antimony and cadmium due to low MS %R. All samples were qualified as estimated for zinc due to lab duplicate precision criteria exceedance. All samples were qualified as estimated for zinc due to serial dilution exceedance.

Field duplicates – Field duplicate pairs SB-R-C11-01(6.7-7.0)/SB-R-C11-01(6.7-7.0)_DUP and SB-R-C12-03(2.5-3.0)/SB-R-C12-03(2.5-3.0)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM26

Sample Receipt and Custody Documentation – No issues noted.

Volatiles – All compounds for SB-R-C12-01(0.5-1.0) and SB-R-C12-01(0.5-1.0)_DUP were qualified as estimated due to low surrogate recovery.

Semivolatiles – The area counts were low for internal standards perylene-d12 and chrysene-d12. The associated compounds were qualified as estimated for SB-R-C12-01(4.5-5.0) and SB-R-C12-02 (0.5-1.0).

Pesticides/PCBs – Arochlor 1260 for SB-R-C12-02(0.5-1.0) was qualified as estimated due to the %D exceeding the 25% criterion. Arochlor 1254 for SB-R-D11-01(1.0-1.5) was qualified as estimated due to the %D exceeding the 25% criterion.

Explosives/Nitroglycerin – All compounds for all samples were qualified as estimated due to cooler temperature exceedance. The result for 4-Amino-2,6-dinitrotoluene in SB-R-B11-04(0.5-1.0) was qualified as estimated due to the %D between the primary and confirmation columns exceeding the 25% criterion.

General Chemistry (Nitrocellulose) – No qualification was made.

Metals – The laboratory case narrative states that the mercury MS limit was exceeded; however, validator review of the data indicated that the mercury data are in control. No action was taken. Antimony and zinc in all samples were qualified as estimated due to low MS %R.

Field duplicates – Field duplicate pair SB-R-C12-01(0.5-1.0)/SB-R-C12-01(0.5-1.0)_DUP and SB-R-C12-01(4.5-5.0)/SB-R-C12-01(4.5-5.0)_DUP were collected and analyzed in this data set. Arsenic for SB-R-C12-01(0.5-1.0)/SB-R-C12-01(0.5-1.0)_DUP was out of QC limits; no action was taken. All results for SB-R-C12-01(4.5-5.0)/SB-R-C12-01(4.5-5.0)_DUP compared.

Other Comments – None.

SDG KVM27

Sample Receipt and Custody Documentation – No issues noted.

Volatiles – No qualification was made.

Semivolatiles – Internal standard perylene-d12 was out of QC limits for samples SB-R-D10-03(0.5-1.0) and SB-R-D10-03(0.5-1.0)_DUP. Associated compounds were qualified as estimated.

Pesticides/PCBs – Arochlor 1254 was qualified as estimated for SB-R-C10-02(0.5-1.0), SB-R-D10-03(0.5-1.0), SB-R-D10-03(0.5-1.0)_DUP, and SB-R-D10-02(1.0-1.5) due to the %D between the primary and confirmation column exceeding the 25% criterion.

Explosives/ Nitroglycerin – No qualification was made.

General Chemistry – Nitrocellulose was qualified as estimated in MS/MSD parent SB-R-D10-03(5.0-5.5) due to low MS %R.

Metals – All samples were qualified as estimated for antimony and cadmium due to low MS %R.

Field duplicates – Field duplicate pairs SB-R-D10-03(0.5-1.0)/SB-R-D10-03(0.5-1.0)_DUP and SB-R-D10-03(5.0-5.5)/SB-R-D10-03(5.0-5.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM28

Sample Receipt and Custody Documentation – No issues noted.

Volatiles – No qualification was made.

Semivolatiles – The area counts were low for internal standard perylene-d12. Associated compounds were qualified as estimated for SB-R-E10-02(0.5-1.0).

Pesticides/PCBs – Arochlor 1254 was qualified as estimated for SB-R-E10-02(0.5-1.0) due to the %D between the primary and confirmation column exceeding the 25% criterion. Arochlor 1260 was qualified as estimated for SB-R-D11-03(6.0-6.5), SB-R-E10-02(0.5-1.0), and SB-R-E10-02(6.0-6.5) due to the CCAL standard on 6/7/06 exceeding 15%D.

Explosives/ Nitroglycerin – HMX was qualified as estimated for SB-R-E10-02(0.5-1.0) due to %D exceedance in CCAL standard NITR4GT (file 8C12135.47).

General Chemistry (Nitrocellulose) – No qualifications were made.

Metals – Due to prep blank contamination, copper and zinc were qualified as estimated for SB-R-D11-03(6.0-6.5) and zinc was qualified as estimated for SB-R-D11-03(1.0-1.5) and SB-R-D11-03(1.0-1.5)_DUP. All samples were qualified as estimated for antimony due to low MS %R.

Field duplicates – Field duplicate pair SB-R-D11-03(1.0-1.5)/SB-R-D11-03(1.0-1.5)_DUP and SB-R-D11-03(6.0-6.5)/SB-R-D11-03(6.0-6.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM29

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Explosives/ Nitroglycerin – Sample SB-R-E13-03(5.0 – 5.5) was qualified as estimated for all compounds due to low surrogate recovery.

General Chemistry – All NC were qualified as estimated for laboratory duplicate precision exceedance, and also parent sample SB-R-E10-03(5.0 – 5.5) was qualified as estimated for low matrix spike recovery.

Metals – All soil samples were qualified as estimated for antimony due to low matrix spike recovery.

PCBs – Samples SB-R-D10-04(0.5 – 1.0) and SB-R-E10-03(0.5 – 1.5)DUP were qualified as estimated for AR1260 due to the %D between the primary and confirmation column exceeding 25%.

Field duplicates – Field duplicate pair SB-R-E10-03(0.5-1.0)/ SB-R-E10-03(0.5-1.0)Dup was collected and analyzed in this data set. All results compared with the exception of arsenic, nickel and PCB1254. No action was taken..

Other Comments – Trip blank TB-06022006 was collected, and all results were ND.

SDG KVM33

Sample Receipt and Custody Documentation – No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – Arochlor 1254 was qualified as estimated for SB-R-D11-04(0.5-1.0) because the %D between the two columns exceeded 25%. One surrogate %R was out high for SB-R-D11-04(4.0-4.5); one exceedance is allowed per the Region II SOP, therefore no action was taken.

Explosives/ Nitroglycerin – HMX was qualified as estimated due to uncertainty regarding the spike solution amount added.

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in all samples due to the MS/MSD RPD exceeding the QC limits. Nitrocellulose was qualified as estimated in parent SB-R-E9-02(4.0-4.5) because the MS/MSD %R was out of QC limits.

Metals – All samples were qualified as estimated for antimony due to low MS %R. All samples were qualified as estimated for copper and nickel due to lab duplicate exceedance.

Field duplicates – Field duplicate pair SB-R-E10-04(2.0-2.5)/SB-R-E10-04(2.0-2.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM34

Sample Receipt and Custody Documentation – No problems were noted.

Volatiles – All compounds were qualified as estimated for SB-R-F15-04(0.5-1.0), SB-R-F15-04(2.0-2.5), SB-R-B14-03(0.5-1.0), and SB-R-B14-03(2.17-2.67) due to low surrogate recovery.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/ Nitroglycerin – The lab noted that the spike solution for HMX was degraded, and that the HMX amount was read from the dilution of another standard. HMX was qualified as estimated in all samples due to uncertainty regarding the spike solution amount added.

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in all samples due to low MS %R.

Metals – Thallium was qualified as estimated in SB-R-B14-03(0.5-1.0), SB-R-B14-03(2.17-2.67), SB-R-E14-01(0.5-1.0), SB-R-E14-01(2.17-2.67), and SB-R-F14-01(2.0-2.5)_DUP due to prep blank contamination. All samples were qualified as estimated for antimony, cadmium, and zinc due to low MS %R. All soil samples were qualified as estimated for copper, nickel, and zinc due to lab duplicate exceedance.

Field duplicates – Field duplicate pair SB-R-F14-01(2.0-2.5) and SB-R-F14-01(2.0-2.5)_DUP were collected and analyzed in this data set. Beryllium, copper, lead, and nickel were out of QC limits for the duplicate pair. No action was taken based on field duplicates.

Other Comments – None.

SDG KVM35

Sample Receipt and Custody Documentation – No issues noted.

Volatiles – All compounds for SB-R-C12-04(0.5-1.0) were qualified as estimated for elevated surrogate recovery.

Semivolatiles – No qualification was made.

Pesticides/PCBs – Arochlor 1260 was qualified as estimated for SB-R-C12-04(0.5-1.0) because the %D between the two columns exceeded 25%.

Explosives/ Nitroglycerin – No qualification was made.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to the duplicate RPD exceeding the QC limits.

Metals – All samples were qualified as estimated for antimony due to low MS %R.

Field duplicates – Field duplicate pair SB-R-C12-04(4.0-4.5)/SB-R-C12-04(4.0-4.5)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM37

Sample Receipt and Custody Documentation - Nothing noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Explosives/ Nitroglycerin – No qualification was made.

General Chemistry – All nitrocellulose results were qualified as estimated due to laboratory duplicate precision exceedance. Parent sample SB-R-B10-03(4.0-4.5) was qualified as estimated for nitrocellulose due to low matrix spike recovery.

Metals – All soils were qualified as estimated for antimony due to low matrix spike recovery. Cadmium, mercury and zinc were qualified as estimated for antimony due to low matrix spike recovery for samples SB-R-C15-01(0.5-1.0), SB-R-C15-01(1.5-2.0), SB-R-C15-02(0.75-1.25) and SB-R-C15-03(2.0-2.5). Samples SB-R-C15-01(0.5-1.0), SB-R-C15-01(1.5-2.0), SB-R-C15-02(0.75-1.25) and SB-R-C15-03(2.0-2.5) were qualified as estimated for zinc due to laboratory duplicate precision exceedance.

Field duplicates – Field duplicate pair SB-R-C10-04(2.0-2.5)/ SB-R-C10-04(2.0-2.5)/DUP was collected for this dataset. All results compared.

Other Comments – Trip blank TB-06132006 was analyzed, all ND.

SDG KVM42

Sample Receipt and Custody Documentation - No problems noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Explosives/ Nitroglycerin – Samples EQB-06272006-SB and EQB-06282006-SB were qualified as estimated for 2,4,6-trinitrotoluene due to low LCS recovery. The samples were rerun outside of holding time, thus the original data were reported.

PCBs – No qualification was made.

General Chemistry – All nitrocellulose results were qualified as estimated due to duplicate precision exceedance.

Metals – All sediment samples were qualified as estimated for antimony due to low matrix spike recovery. All sediment samples were qualified as estimated for lead and silver due to laboratory duplicate precision exceedance. Samples EQB-06272006-SB and EQB-06282006-SB were qualified as estimated for copper due to associated initial calibration contamination.

Field duplicates – Field duplicate pair SB-R-J12-03 (0.5-1.0)/ SB-R-J12-03 (0.5-1.0) Dup were collected and analyzed in this data set. All results compared

Other Comments – Equipment blank samples EQB-06272006-SB and EQB-06282006-SB were collected for this dataset, with copper detected in both samples at 0.0023 mg/L and 0.0028 mg/L, respectively. The equipment blanks also were qualified as estimated due to associated calibration blank contamination which is introduced by the laboratory.

SDG KVM47

Sample Receipt and Custody Documentation – The cooler containing EQB-07052006-SB and TB-07052006-SB exceeded temperature limits upon receipt by the laboratory. The sample was collected and relinquished to the lab the same day, and thus had insufficient time to cool down. No action was taken. Explosives samples SB-R-H6-04(0.5-1.0), SB-R-B15-01(0.5-1.0), SB-R-D15-01(0.5-1.0), SB-R-D14-03(0.5-1.0), SB-R-E14-02(0.5-1.0), SB-R-D9-03(0.5-1.0), SB-R-E9-03(0.5-1.0), SB-R-F8-02(0.5-1.0), and SB-R-G7-01(0.5-1.0) were qualified as estimated due to cooler temperature exceedance.

Volatiles – All compounds were qualified as estimated for SB-R-B15-01(0.5-1.0), SB-R-D14-03(0.5-1.0), and SB-R-E14-02(0.5-1.0) due to surrogates recovering out of QC limits.

Semivolatiles – No qualification was made.

Pesticides/PCBs – Arochlor 1260 was qualified as estimated for SB-R-D9-02(0.5-1.0), SB-R-D15-01-(0.5-1.0), and SB-R-E9-03(0.5-1.0) since the %D between the two columns exceeded 25%.

Explosives/Nitroglycerin – The laboratory narrative stated that insufficient sample volume was present for water MS/MSD; an LCS and LCSD were run instead. The narrative reported that the surrogate recovery was out of limits (high) for sample SB-R-E9-03(0.5-1.0). The sample was re-extracted out of holding times and the recovery was in limits. Since the holding time had expired, the original results were reported. All compounds with positive results in SB-R-E9-03(0.5-1.0) were qualified as estimated due to the surrogate recovering out high. Compound 2,4,6-trinitrotoluene was qualified as estimated in EQB-07052006-SB, EQB-07062006-SB, and EQB-06292006-SD due to low LCS recovery. Nitroglycerin in SB-R-F8-03(0.5-1.0) was qualified as estimated due to the %D between the primary and confirmation results exceeding 25%.

General Chemistry (Perchlorate, nitroglycerin in water, NC) – No qualifications were made for perchlorate or nitroglycerin. Nitrocellulose was qualified as estimated in parent SB-R-08-04(0.5-1.0) due to MS/MSD %R exceedance. Nitrocellulose was qualified as estimated in SB-R-M4-02(0.5-1.0), SB-R-L4-01(0.5-1.0), SB-R-O8-04(0.5-1.0), SB-R-D9-01(0.5-1.0), SB-R-D9-01(0.5-1.0)_DUP, and SB-R-D9-02(0.5-1.0) due to the MS/MSD RPD exceeding the QC limits.

Metals – All soil samples were qualified as estimated for antimony due to low MS %R. All soil samples were qualified as estimated for zinc due to lab duplicate precision exceedance.

Field duplicates – Field duplicate pairs SB-R-D8-04(0.5-1.0)/SB-R-D8-04(0.5-1.0)_DUP and SB-R-D9-01(0.5-1.0)/SB-R-D9-01(0.5-1.0)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – The equipment blank contained thallium, however, the concentration was not sufficiently elevated to warrant data qualification.

SDG KVM56

Sample Receipt and Custody Documentation - The laboratory noted in their case narrative that the blank and LCS had been mislabeled in the energetics/explosives data, and they reported as such, which resulted in zero percent recovery for the LCS data and detections in the blank, which were incorrect. The laboratory was contacted for correction of the LCS and blank forms since the data was deemed usable but incorrectly reported. A revised LCS and blank were issued for this SDG. No further action was taken.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

PCBs – No qualification was made.

Explosives/ Nitroglycerin – All samples were qualified as estimated for all compounds due to the slightly elevated cooler temperature of 5.0, per the Region II checklist. The CCAL %D was >15% for HMX, therefore all samples were qualified as estimated for HMX.

Metals – Lead and Zinc were qualified as estimated for all samples due to duplicate precision exceedance.

General Chemistry: NC was qualified as estimated for parent sample TP-N6-1-6(8.0-8.5) due to low matrix spike recovery.

Field duplicates – No field duplicates were collected and analyzed in this data set.

Other Comments – None.

SDG KVM57

Sample Receipt and Custody Documentation – All energetics/explosives compounds were qualified as estimated for all samples due to cooler temperature exceedance.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – No qualification was made.

Explosives/Nitroglycerin – All compounds in all samples were qualified as estimated due to cooler temperature exceedance, as noted above. 2-Am-4,6-dinitrotoluene and 4-Am-2,6- dinitrotoluene were qualified as estimated in parent TP-R-N6-1-9(4.5-5.0) due to low MS and MSD %R.

General Chemistry (Nitrocellulose) – No qualification was made.

Metals – Zinc was qualified as estimated in TP-R-N6-1-9(4.5-5.0) due to prep blank contamination.

Field duplicates – Field duplicate pair TP-R-N6-1-9(1.5-2.0) and TP-R-N6-1-9(1.5-2.0)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – No equipment blanks and no trip blanks were included in this data set.

SDG KVM59

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

PCBs – No qualification was made.

Explosives/ Nitroglycerin – All samples were qualified as estimated for all compounds due to the slightly elevated cooler temperature of 5.0 °C, per the Region II checklist.

Metals – Antimony was qualified as estimated for all samples due to low matrix spike recovery.

Field duplicates – No field duplicate pairs were collected and analyzed in this data set. .

Other Comments – None

SDG KVM60

Sample Receipt and Custody Documentation - The laboratory noted the weight for sample 4818667 was outside the 8-12g criteria. The sample was analyzed for VOCs. No validation was required.

Volatiles – Sample TP-R-M8-1-1(1.0-1.5) was qualified as estimated for low surrogate recovery.

Semivolatiles – Acids for sample TP-R-M8-1-8(1.0-1.5) were qualified as estimated due to surrogate recovery. Internal standard perylene-d12 area counts were below limits, therefore associated compounds were qualified as estimated for samples TP-R-M8-1-8(1.0-1.5) and TP-R-M8-1-8(4.0-4.5).

PCBs – AR1254 was qualified as estimated in sample TP-R-M8-1-5(0.5-1.0) and AR1254 and AR1260 in sample TP-R-M8-1-6(0.5-1.0) due to the column percent difference exceeding 25%. All samples were qualified as estimated for AR1260 due to the CCAL %D >15%.

Explosives/ Nitroglycerin – All samples were qualified as estimated for all compounds due to the slightly elevated cooler temperature of 5.0 °C, per the Region II checklist. All sample were qualified as estimated for HMX and RDX due to the ICAL %RSD >20%.

Metals – Antimony and zinc were qualified as estimated for all samples due to matrix spike recovery.

General Chemistry – Nitrocellulose for parent sample TP-R-M8-1-9(5.0-5.5) was qualified as estimated due to low matrix spike recovery.

Field duplicates – No field duplicate pair TP-R-M8-1-9(5.0-5.5)/ TP-R-M8-1-9(5.0-5.5) were collected and analyzed in this data set. All results compared with the exception of lead, however, no action was taken for field duplicate precision.

Other Comments – Trip blank sample TB-07192006 was collected and all results were ND.

SDG KVM61

Sample Receipt and Custody Documentation – All explosives/energetics compounds were qualified as estimated due to cooler temperature exceedance in all samples except: TP-R-N6-1-31(14.0-14.5), TP-R-N6-1-32(1.5-2.0), TP-R-N6-1-32(7.0-7.5), and TP-R-N6-1-32(14.5-15.0).

Volatiles – All compounds were qualified as estimated for low surrogate %R in samples TP-R-N6-1-24(2.0-2.5), TP-R-N6-1-24(4.5-5.0), TP-R-N6-1-25(11.5-12), TP-R-N6-1-26(5.5-6.0), and TP-R-N6-1-32(7.0-7.5). Acrylonitrile was qualified as estimated in TP-R-N6-1-22(4.5-5.0) and TP-R-N6-1-32(14.5-15.0) due to CCAL %D exceed nitroglycerin 15%.

Semivolatiles – The LCS for 2,4-dinitrophenol was recovered out of limits. The laboratory redigested and reanalyzed out of holding times. The original results were reported. Due to the low LCS recovery, all 2,4-dinitrophenol results were qualified as estimated in all samples except TP-R-N6-1-31(14.0-14.5), TP-R-N6-1-32(1.5-2.0), TP-R-N6-1-32(7.0-7.5), and TP-R-N6-1-32(14.5-15.0).

Pesticides/PCBs – Arochlor 1254 was qualified as estimated for TP-R-N6-1-20(10-10.5), TP-R-N6-1-22(1.5-2.0), TP-R-N6-1-22(4.5-5.0), and TP-R-N6-1-26(5.5-6.0) because the %D between the two columns exceeded 25%. Arochlor 1016 and arochlor 1260 were qualified as estimated in all samples except TP-R-N6-1-31(14.0-14.5), TP-R-N6-1-32(1.5-2.0), TP-R-N6-1-32(7.0-7.5), and TP-R-N6-1-32(14.5-15.0) due to CCAL %D exceeding 15%.

Explosives/Nitroglycerin – As noted above, a group of samples was qualified as estimated due to cooler temperature exceedance.

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in parent TP-R-N6-1-22(4.5-5.0) due to low MS %R.

Metals – All samples were qualified as estimated for antimony due to low MS %R. All positive results were qualified as estimated for zinc due to high MS %R.

Field duplicates – Field duplicate pair TP-R-N6-1-22(14.5-15.0) and TP-R-N6-1-22(14.5-15.0)_DUP were collected and analyzed in this data set. All results compared.

Other Comments – On the Form I, the laboratory reported incorrect E and N qualifiers on their internal Form 1s which were not reported, the laboratory generates a full results page for all samples, and the qualifiers should have been applied to zinc and antimony results but were not. No equipment blanks or trip blanks were included in this dataset.

SDG KVM62

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – Samples TP-R-M8-1-12(4.0-4.5), TP-R-M8-1-12(7.5-8.0) TP-R-M8-1-13(0.5-1.0) and TP-R-M8-1-13(1.5-2.0) were qualified as estimated for low surrogate recovery. Acrylonitrile was qualified as estimated for all samples except TP-R-M5-3-1(1.0-1.5) due to the CCAL %D exceeding the criteria.

Semivolatiles – No qualification was made.

PCBs – All soil samples were qualified as estimated for AR1260 due to the associated CCAL exceeding 15%..

Explosives/ Nitroglycerin – All samples were qualified as estimated for all compounds due to the slightly elevated cooler temperature of 5..9 °C, per the Region II checklist.

Metals – Antimony was qualified as estimated in all samples due to low matrix spike recovery.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample TP-R-M8-1-03(3.5-4.0) due to low matrix spike recovery.

Field duplicates – There were no field duplicate pairs collected in this data set.

Other Comments – Equipment blank sample EQB-07202006-SD and trip blank sample TB-07202006 were collected. All results were non-detected.

SDG KVM63

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – Samples TP-R-N6-1-27(5.5-6.0), TP-R-N6-1-29(6.5-7.0) and TP-R-M5-3-2(1.0-1.5) were qualified as estimated for low surrogate recovery.

Semivolatiles – All compounds for sample TP-R-M5-3-4(0.5-1.0) and TP-R-N6-1-27(5.5-6.0) were qualified as estimated for low surrogate recovery and low internal standard recovery, respectively.

PCBs – Sample TP-R-N6-1-29(6.5-7.0) was qualified as estimated for AR1248 and sample TP-R-M5-3-4(0.5-1.0) for AR1260 due to the column percent difference exceedance.

Explosives/ Nitroglycerin – Sample TP-R-M5-3-4(0.5-1.0) was qualified as estimated for nitroglycerin due to the column percent difference exceedance.

Metals – Antimony, copper and zinc were qualified as estimated in all soil c samples due to low matrix spike recovery. Nickel and zinc were qualified as estimated in all soil samples due to laboratory precision exceedance.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample TP-R-M5-3-4(5.0-5.5) due to low matrix spike recovery.

Field duplicates – There were no field duplicate pairs collected in this data set.

Other Comments – Equipment blank sample EQB-07202006-SD and trip blank sample TB-07202006 were collected. All results were non-detected.

SDG KVM66

Sample Receipt and Custody Documentation - No problems noted.

Volatiles – Samples TP-R-M8-1-17(4.0-4.5) and TP-R-K5-2-4(8.5-9.0) were qualified as estimated for low surrogate recovery.

Semivolatiles – No qualification was made.

PCBs – All samples were qualified as estimated for AR1260 due to the CCAL %D exceeding 15%.

Explosives/ Nitroglycerin – All samples were qualified as estimated due to the cooler temperature of 6 °C except for samples TP-R-K5-2-4(0.5-1.0) , TP-R-K5-2-4(6.0-6.5) and TP-R-K5-2-4(8.5-9.0), which were received in a separate shipment. All samples except TP-R-K5-2-4(0.5-1.0) , TP-R-K5-2-4(6.0-6.5) and TP-R-K5-2-4(8.5-9.0) were qualified as estimated for holding time exceedance since the re-extracted/reanalyzed samples contained target compounds that the original data reported as ND. During review it was determined that re-extracted/reanalyzed samples were more representative of the samples and present the more conservative approach.

The following samples were qualified due to the column percent difference exceeding 25%:

Sample	Compound
TP-R-N6-1-33(6.5-7.0) TP-R-N6-1-33(13.5-14.0) TP-R-N6-1-34(1.5-2.0) TP-R-N6-1-34(12.5-13.0) TP-R-N6-1-35(1.5-2.0) TP-R-N6-1-35(1.5-2.0)dup TP-R-N6-1-35(11.5-12.0) TP-R-N6-1-36(1.5-2.0) TP-R-N6-1-36(15.5-16.0) TP-R-N6-1-37(1.5-2.0) TP-R-N6-1-37(12.5-13.0) TP-R-N6-1-38(1.5-2.0) TP-R-N6-1-38(15.5-16.0) TP-R-M8-1-17(4.0-4.5)	2,4,6-trinitrotoluene
TP-R-M8-1-17(1.5-2.0)	Nitroglycerin

Metals – Antimony was qualified as estimated in all soils for low matrix spike recovery, copper and nickel as estimated in all samples due to the laboratory duplicate precision exceedance and zinc in all samples due to serial dilution exceedance.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance, and also parent sample TP-R-N6-1-35(1.5-2.0) was qualified as estimated due to low matrix spike recovery.

Field duplicates – Field duplicate pair TP-R-N6-1-35(1.5-2.0)/TP-R-N6-1-35(1.5-2.0)dup was collected in this data set. The results compared.

Other Comments – Trip blank samples TB-07242006 and TB-07262006 were collected. All results were non-detected.

SDG KVM67

Sample Receipt and Custody Documentation - Sample 4823181 was outside of the 8-12 g weight for the VOA analysis. The sample was analyzed for VOCs. No validation was required.

Volatiles – All samples except TP-R-M8-1-16(6.0-6.5), TP-R-M8-1-22(1.0-1.5), TP-R-M8-1-23(1.5-2.0), TP-R-M5-3-13(7.5-8.0), TP-R-M5-3-14(0.5-1.0) and TP-R-M5-3-14(13.0-13.5) were qualified as estimated for low surrogate recovery.

Semivolatiles – Sample TP-R-M8-1-19(3.5-4.0) was qualified as estimated for low surrogate recovery and holding time exceedance, and sample TP-R-M8-1-18(4.5-5.0) for low surrogate recovery.

PCBs – Sample TP-R-M8-1-16(1.5-2.0) was qualified as estimated for AR1254 and samples TP-R-M5-3-13(1.5-2.0) and TP-R-M5-3-14(13.0-13.5) for AR1260 due to the column percent difference exceeding 25%. All samples were qualified as estimated for AR1260 and samples TP-R-M8-1-16(1.5-2.0) and TP-R-M8-1-22(4.0-4.5) were qualified as estimated for AR1016 due to the CCAL %D exceeding 15%.

Explosives/ Nitroglycerin – All samples were qualified as estimated due to the cooler temperature of 6 °C). All samples were qualified as estimated for holding time exceedance since the re-extracted/reanalyzed samples contained target compounds that the original data reported as ND. During review it was determined that re-extracted/reanalyzed samples were more representative of the samples and present the more conservative approach.

The following samples were qualified due to the column percent difference exceeding 25%:

Sample	Compound
TP-R-M8-1-16(1.5-2.0)dup	RDX, 2,4,6-trinitrotoluene
TP-R-M8-1-16(1.5-2.0)	2,4,6-trinitrotoluene
TP-R-M8-1-16(6.0-6.5)	
TP-R-M8-1-18(4.5-5.0)	
TP-R-M8-1-19(3.5-4.0)	
TP-R-M8-1-19(1.0-1.5)	
TP-R-M8-1-20(1.0-1.5)	
TP-R-M5-3-14(13.0-13.5)	
TP-R-M5-3-13(1.5-2.0)	
TP-R-M8-1-23(1.5-2.0)	
TP-R-M8-1-22(4.0-4.5)	
TP-R-M8-1-22(1.0-1.5)	1,3-Dinitrobenzene, 2,4,6-trinitrotoluene
TP-R-M5-3-14(6.5-7.0)	
TP-R-M8-1-18(1.5-2.0)	

Metals – No qualification was made.

General Chemistry – No qualification was made.

Field duplicates – Field duplicate pair TP-R-M8-1-16(1.5-2.0)/TP-R-M8-1-16(1.5-2.0)dup was collected in this data set. The results compared with the exception of AR1254. No action was taken.

Other Comments – Equipment blank samples EQB-08012006-SD, EQB-07252006-SD and EQB-07262006-SD and trip blank samples TB-07252006 and TB-07262006 were collected. All results were non-detected with the exception of 2-amino-4,6-dinitrotoluene for EQB-07252006-SD at a concentration of 0.44 ug/L. No action was taken.

SDG KVM68

Sample Receipt and Custody Documentation – No issues were noted.

Volatiles – All compounds were qualified as estimated for low surrogate %R in samples TP-R-M5-3-16(1.5-2.0), TP-R-M5-3-17(0.5-1.0), and TP-R-M5-3-20(0.5-1.0).

Semivolatiles – Internal standards perylene-d12 and phenanthrene-d10 were out of QC limits; associated compounds were qualified as estimated for TP-R-M5-3-15(1.0-1.5), TP-R-M5-3-18(0.5-1.0), TP-R-M5-3-19(0.5-1.0), and TP-R-M5-3-21(0.5-1.0).

Pesticides/PCBs – Arochlor 1254 was qualified as estimated for TP-R-M5-3-17(0.5-1.0), TP-R-M5-3-17(7.0-7.5), TP-R-M5-3-18(0.5-1.0), and TP-R-M5-3-19(0.5-1.0) due to the %D between columns exceeding 25%. Arochlor 1260 was qualified as estimated in TP-R-M5-3-20(9.5-10.0), TP-R-M5-3-15(1.0-1.5), TP-R-M5-3-15(6.5-7.0), TP-R-M5-3-17(0.5-1.0), and TP-R-M5-3-18(0.5-1.0) due to the CCAL exceeding 15%.

Explosives/Nitroglycerin – HMX was qualified as estimated in parent TP-R-M5-3-20(9.5-10.0) due to low MS %R. The following samples/compounds were qualified as estimated due to the %D between the primary and confirmation columns exceeding 25%: HMX for TP-R-M5-3-15(1.0-1.5); and 1,3-dinitrobenzene and 2,4,6-trinitrotoluene in TP-R-M5-3-17(0.5-1.0). Due to CCAL standard 6E12219.80 exceeding 15%D for HMX, the compound was qualified as estimated in all samples except TP-R-M5-3-15(1.0-1.5), TP-R-M5-3-15(6.5-7.0), and TP-R-M5-3-16(1.5-2.0).

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in parent TP-R-M5-3-20(9.5-10.0) due to low MS %R. All samples were qualified as estimated for lab duplicate precision exceedance.

Metals – All samples were qualified as estimated for antimony and mercury due to low MS %R. All samples were qualified as estimated for copper and mercury for lab duplicate precision exceedance.

Field duplicates – Field duplicate pair TP-R-M5-3-19(10.5-11.0) and TP-R-M5-3-19(10.5-11.0)_DUP were collected and analyzed in this data set. Arsenic, copper, lead, and zinc exceeded %D limits. No action was taken based on field duplicates.

Other Comments – No equipment blanks or trip blanks were included in this dataset.

SDG KVM71

Sample Receipt and Custody Documentation – The sample weight for TP-R-K5-2-3(9.0-9.5) was outside 8-12 gram requirement. The sample was analyzed for VOCs. No validation was required.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Pesticides/PCBs – Arochlor 1254 was qualified as estimated for TP-R-K5-2-5(0.5-1.0) and TP-R-K5-1-1(1.5-2.0) because the %D between the two columns exceeded 25%. Arochlor 1260 was qualified as estimated for TP-R-K5-1-1(1.5-2.0), TP-R-K5-1-3(0.5-1.0), TP-R-K5-2-3(0.5-1.0), and TP-R-K5-2-1(0.5-1.0) because the %D between the two columns exceeded 25%. Arochlor 1260 was qualified as estimated in all samples due to a CCAL %D exceeding 15%.

Explosives/Nitroglycerin – All compounds were qualified as estimated in TP-R-K5-2-2(0.5-1.0) due to low surrogate recovery. The laboratory stated that unresolvable matrix problems were evident in the sample chromatogram. Nitroglycerin was qualified as estimated in TP-R-K5-1-2(1.5-2.0) due to the %D between the primary and confirmation column exceeding 25%.

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in parent TP-R-K5-2-1(7.5-8.0) because the MS %R was out of QC limits. Nitrocellulose was qualified as estimated in all samples due to lab duplicate exceedance.

Metals – All samples were qualified as estimated for antimony and zinc due to low MS %R. Mercury was qualified as estimated due to high MS%R in all samples except TP-R-K5-2-1(7.5-8.0) and lab replicate TP-R-K5-2-1(7.5-8.0)_Duplicate. All samples were qualified as estimated for zinc due to lab duplicate exceedance. All samples were qualified as estimated for zinc due to serial dilution exceedance.

Field duplicates – Field duplicate pair TP-R-K5-2-2(11.0-11.5) and TP-R-K5-2-2(11.0-11.5)_DUP were collected and analyzed in this data set. Mercury, lead, zinc, 2,4,2,6-dinitrotoluenes, and 2,4-dinitrotoluene did not compare. No action was taken based on field duplicate results.

Other Comments – No equipment blanks or trip blanks were included in this dataset.

SDG KVM72

Sample Receipt and Custody Documentation – No issues noted.

Volatiles – All compounds were qualified as estimated for TP-R-M9-02(4.5-5.0) due to low surrogate recovery.

Semivolatiles – No qualification was made.

Pesticides/PCBs – Arochlor 1260 was qualified as estimated for TP-R-L9-03(6.5-7.0) due to a CCAL %D exceeding 15%.

Explosives/Nitroglycerin – Compound 2,4,6-trinitrotoluene was qualified as estimated in TP-R-M9-02(4.5-5.0), TP-R-K5-1-5(0.5-1.0), and TP-R-K5-1-4(1.0-1.5) due to the %D between the primary and confirmation columns exceeding 25%. HMX was qualified as estimated in TP-R-L10-03(5.5-6.0), TP-R-M10-03(6.0-6.5), and TP-R-M9-02(4.5-5.0) due to a CCAL %D exceeding 15%.

General Chemistry (Nitrocellulose) – No qualification was made.

Metals – All samples were qualified as estimated for antimony and zinc due to low MS %R. All samples were qualified as estimated for nickel and zinc due to lab duplicate precision exceedance.

Field duplicates – Field duplicate pair TP-R-L9-02(6.0-6.5) and TP-R-L9-02(6.0-6.5)_DUP were collected and analyzed in this data set. All results except zinc compared. No action was taken based on field duplicates.

Other Comments – None.

SDG KVM73

Sample Receipt and Custody Documentation – All explosives/energetics results for all samples were qualified as estimated due to cooler temperature exceedance.

Volatiles – All compounds were qualified as estimated for TP-R-M5-3-22(4.5-5.0) and TP-R-M5-3-6(1.0-1.5) due to out of control surrogate %R.

Semivolatiles – The following were qualified as estimated due to low surrogate %R: all compounds for TP-R-M5-3-12(1.5-2.0); all acids for TP-R-M5-3-22(1.0-1.5); all bases for TP-R-K7-04(5.5-6.0); and all compounds for TP-R-M5-3-6(4.5-5.0). Internal standard perylene-d12 was out of QC limits; associated compounds were qualified as estimated for TP-R-M5-3-22(1.0-1.5) and TP-R-M5-3-22(1.0-1.5)_DUP.

Pesticides/PCBs – All compounds were qualified as estimated for TP-R-M5-3-22(1.0-1.5) due to CCAL %D exceedance. Arochlor 1254 was qualified as estimated for TP-R-M5-3-22(4.5-5.0) because the %D exceeded 25%. Arochlor 1260 was qualified as estimated for TP-R-M5-3-22(4.5-5.0), TP-R-M5-3-6(4.5-5.0), TP-R-M5-3-6(8.0-8.5), TP-R-M5-3-7(0.5-1.0), TP-R-M5-3-7(8.0-8.5), TP-R-M5-3-8(1.0-1.5), TP-R-M5-3-8(7.5-8.0), TP-R-M5-3-9(1.5-2.0), and TP-R-M5-3-9(10.0-10.5) because the %D exceeded 25%.

Explosives/Nitroglycerin – As noted above, all compounds for all samples were qualified as estimated due to cooler temperature exceedance. The following compounds/samples were qualified as estimated due to the %D between the primary and confirmation columns exceeding 25%: HMX in TP-R-M5-3-11(4.5-5.0) and TP-R-M5-3-22(4.5-5.0); and 2,4,6- trinitrotoluene in TP-R-M5-3-12(1.5-2.0). One CCAL standard for the confirmation run exceeded 15%D for 2,4,6-trinitrotoluene. Since the primary column detected a value > MDL and the confirmation run was out of control for that compound,

the primary result was suspect. Therefore, 2,4,6-trinitrotoluene was qualified as estimated in associated sample TP-R-M5-3-22(1.0-1.5).

General Chemistry (Nitrocellulose) – Nitrocellulose was qualified as estimated in all samples due to lab duplicate precision exceedance.

Metals – All samples were qualified as estimated for antimony due to low MS %R. Due to lab duplicate exceedance and serial dilution exceedance, zinc was qualified as estimated in all samples except: TP-R-L7-02(9.0-9.5), TP-R-M5-3-6(1.0-1.5), TP-R-M5-3-7(8.0-8.5), TP-R-M5-3-8(7.5-8.0), TP-R-M5-3-9(1.5-2.0), and TP-R-M5-3-9(10.0-10.5). Zinc was present in the prep blank at a concentration greater than the reporting limit. No sample results were sufficiently elevated to qualify.

Field duplicates – Field duplicate pair TP-R-M5-3-22(1.0-1.5)/TP-R-M5-3-22(1.0-1.5)_DUP were collected and analyzed in this data set. Mercury, nitrocellulose, nitroglycerin, Arochlor 1254, RDX, 2,4/2,6-dinitrotoluene, 2,4- dinitrotoluene, and n-nitrosodiphenylamine were out of QC limits. No action was taken based on field duplicates.

Other Comments – No equipment blanks or trip blanks were included in this dataset.

SDG KVM74

Sample Receipt and Custody Documentation - no comments.

Volatiles – Sample TP-R-M5-3-10(1.5-2.0) was qualified as estimated for low surrogate recovery.

Semivolatiles – No qualification of data was made.

PCBs – No qualification of data was made.

Explosives/ Nitroglycerin – Sample TP-R-M5-3-10(1.5-2.0) was qualified as estimated for elevated cooler temperature (6 °C).

Metals – Antimony and zinc were qualified as estimated in all soils for low/high matrix spike recovery. Copper results were qualified as estimated for all samples due to laboratory duplicate precision exceedance.

General Chemistry – Parent sample TP-R-J7-1-5(7.0-7.5) was qualified as estimated due to low matrix spike recovery.

Field duplicates – No field duplicates were collected in this data set.

Other Comments – Trip blank sample TB-07282006 was collected. All results were non-detected.

SDG KVM75

Sample Receipt and Custody Documentation - The laboratory noted that the weight for sample 4829975 was outside the 8-12g requirement. The sample was analyzed for VOCs. No validation was required.

Volatiles – Sample TP-R-H11-1-3(8.5-9.0) was qualified as estimated since the laboratory noted there was no confirmed weight for the sample, thus they used a nominal amount of 10 grams. Samples TP-R-H11-1-3(1.5-2.0), TP-R-H11-1-3(5.0-5.5), TP-R-H11-1-5(1.5-2.0), TP-R-H12-237-/H13-7/H13-1-4(6.5-7.0), TP-R-H12-237-/H13-7/H13-1-2(1.5-2.0), TP-R-H12-237-/H13-7/H13-1-3(1.5-2.0), TP-R-H12-237-/H13-7/H13-1-6(1.5-2.0) and TP-R-H12-237-/H13-7/H13-1-6(11.5-12.0) were qualified as estimated for low surrogate recovery.

Semivolatiles – The acid fraction was qualified as estimated for sample TP-R-H11-1-5(9.5-10.0) due to low surrogate recovery. Internal standard area counts were low, resulting in estimated qualification of associated compounds for samples TP-R-H12-237-/H13-7/H13-1-4(6.5-7.0) and TP-R-H12-237-/H13-7/H13-1-4(1.5-2.0) and diluted results for sample TP-R-H12-237-/H13-7/H13-1-1(6.5-7.0).

PCBs – AR1254 was qualified as estimated for sample TP-R-H12-237-/H13-7/H13-1-2(1.5-2.0) due to the column difference exceeding 25%.

Explosives/ Nitroglycerin – All samples were qualified as estimated for elevated cooler temperature (5.4C). The column percent difference was exceeded for several compounds and were qualified as estimated for the indicated sample: 2,4,6-trinitrotoluene and 4-amino-2,6-dinitrotoluene for TP-R-H12-237-/H13-7/H13-1-4(1.5-2.0); 2,4,6-trinitrotoluene for TP-R-H12-237-/H13-7/H13-1-1(6.5-7.0) and 1,3-dinitrobenzene and nitroglycerin for TP-R-H12-237-/H13-7/H13-1-2(1.5-2.0).

Metals – Antimony was qualified as estimated in all soils for low matrix spike recovery. All detected mercury results were qualified as estimate due to elevated matrix spike recovery and all copper and zinc results were qualified as estimated for serial dilution exceedance.

General Chemistry – No qualification was made.

Field duplicates – No field duplicates were collected in this data set.

Other Comments – Trip blank sample TB-08122006 was collected. All results were non-detected.

SDG KVM76

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – Samples TP-R-H11-1-1(9.5-10) and TP-R-H12-237/H13-7/H13-1-5(1.5-2.0) were qualified as estimated for surrogate recovery.

Semivolatiles – Compounds associated with low internal standard area counts for perylene-d12 were qualified as estimated for samples TP-R-J10-2166-2(1.5-2.0) and TP-R-H12-237/H13-7/H13-1-5(1.5-2.0).

PCBs – No qualification was made.

Explosives/ Nitroglycerin – All samples were qualified as estimated for all compounds due to the slightly elevated cooler temperature of 5.4 °C, per the Region II checklist. Sample TP-R-H12-237/H13-7/H13-1-5(1.5-2.0) was qualified as estimated for 1,3-dinitrobenzene, 4-amino-2,6-dinitrotoluene, 2-amino-4,6-dinitrotoluene and nitroglycerin due to elevated surrogate recovery. The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%: 2,4,6-trinitrotoluene and 4-amino-2,6-dinitrotoluene for sample TP-R-H12-237/H13-7/H13-1-5(1.5-2.0).

Metals – Antimony was qualified as estimated for all samples due to low matrix spike recovery.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance.

Field duplicates – No field duplicate pairs were collected for this data set.

Other Comments – None.

SDG KVM77

Sample Receipt and Custody Documentation - No problems noted.

Volatiles – No qualification to the data was made.

Semivolatiles – No qualification to the data was made.

PCBs – No qualification to the data was made.

Explosives/ Nitroglycerin – Samples TP-R-J10-03(6.5-7.0), TP-R-J9-04(4.5-5.0) and TP-R-H13-02(4.5-5.0) were qualified as estimated for elevated cooler temperature (5.4 °C).

Metals – Antimony, copper, lead and zinc were qualified as estimated in all soils for low matrix spike recovery. Lead and zinc were qualified as estimated in all soils for laboratory duplicate exceedance, and all zinc results were qualified as estimated for serial dilution exceedance.

General Chemistry – All nitrocellulose results were qualified as estimated due to duplicate precision exceedance.

Field duplicates – Field duplicate pair TP-R-H7-01(8.5-9.0)/ TP-R-H7-01(8.5-9.0)dup were collected in this data set. All results compared with the exception of zinc and copper. No action was taken.

Other Comments –None.

SDG KVM78

Sample Receipt and Custody Documentation - The laboratory notes that the weight for the VOC portion of the analysis exceeded the criteria of 8-12g. The sample was analyzed for VOCs. No validation was required.

Volatiles – TP-R-B13-2-9(1.5-2.0), TP-R-B13-2-9(6.0-6.5) and TP-R-B13-2-9(9.5-10.0) due to low surrogate recovery.

Semivolatiles – No qualification was made.

PCBs – AR1260 was qualified as estimated for samples TP-R-B13-2-2(1.5-2.0), TP-R-B13-2-9(1.5-2.0) and TP-R-B13-2-9(6.0-6.5) due to elevated LCS recovery. All samples except TP-R-B13-2-5(4.0-4.5), TP-R-B13-2-5(8.5-9.0), TP-R-B13-2-4(1.5-2.0), TP-R-B13-2-4(5.5-6.0) and TP-R-B13-2-4(9.5-10.0) were qualified as estimated for AR1260 due to the CCAL exceeding 15%R.

Explosives/ Nitroglycerin – The following compounds for the indicated samples were qualified as estimated due to the column percent difference exceedance: 2,4,6-trinitrotoluene and nitroglycerin for TP-R-B13-2-2(12.5-13.0) and TP-R-B13-2-4(9.5-10.0); 2,4,6-trinitrotoluene for TP-R-B13-2-2(5.5-6.0), TP-R-B13-2-2(1.5-2.0), TP-R-B13-2-9(9.5-10.0) and TP-R-B13-2-5(8.5-9.0); and 1,3-dinitrobenzene and 2,4,6-trinitrotoluene for TP-R-B13-2-9(6.0-6.5).

Metals – All soil samples were qualified as estimated for antimony and zinc due to low matrix spike recovery. All soil samples were qualified as estimated for copper and nickel due to the laboratory duplicate precision exceedance. All soil samples were qualified as estimated for zinc due to serial dilution exceedance.

General Chemistry – Nitrocellulose was qualified as estimated for parent sample TP-R-B13-2-1(1.5-2.0) due to low matrix spike recovery. All samples were qualified as estimated for nitrocellulose due to laboratory duplicate precision exceedance.

Field duplicates – Field duplicate pair TP-R-B13-2-1(11.5-12.0)/ TP-R-B13-2-1(11.5-12.0)dup was collected in this data set. The results compared.

Other Comments –Trip blank sample TB-08022006 was collected. All results were non-detected.

SDG KVM80

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – Samples TP-R-K6-03(6.5-7.0), TP-R-N4-02(0.5-1.0) and TP-R-B13-2-7(11.5-12.0) were qualified as estimate for low surrogate recovery.

Semivolatiles – Compounds associated with low internal standard area counts for perylene-d12 were qualified as estimated for sample TP-R-B13-2-6(3.0-3.5).

PCBs – All samples were qualified as estimated for AR1260 due to the CCAL %D >15%.. The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%: AR1254 for TP-R-B13-2-8(4.5-5.0) and TP-R-B13-2-7(1.5-2.0).

Explosives/ Nitroglycerin – Samples TP-R-B13-2-6(1.5-2.0), TP-R-B13-2-6(4.5-5.0) and TP-R-B13-2-6(3.0-3.5) were qualified as estimated due to an unresolvable matrix that resulted in extremely elevated surrogate recoveries.

The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-N4-02(0.5-1.0)	RDX
TP-R-B13-2-8(7.5-8.0)	1,3-dinitrobenzene, nitroglycerin, 2,4,6-trinitrotoluene, 2-Amino-4,6-Dinotrotoluene
TP-R-B13-2-8(7.5-8.0)dup TP-R-B13-2-8(4.5-5.0)	2,4,6-trinitrotoluene
TP-R-B13-2-8(1.5-2.0)	2,4,6-trinitrotoluene, nitroglycerin
TP-R-B13-2-6(4.5-5.0)	1,3-dinitrobenzene, 4-Amino-2,6-Dinotrotoluene, 2,4,6-trinitrotoluene, nitroglycerin, 2-Amino-4,6-Dinotrotoluene
TP-R-B13-2-6(1.5-2.0)	RDX, nitroglycerin, 2,4,6-trinitrotoluene, 2-Amino-4,6-Dinotrotoluene
TP-R-B13-2-6(3.0-3.5)	RDX, nitroglycerin, 2,4,6-trinitrotoluene, 2-Amino-4,6-Dinotrotoluene, 4-Amino-2,6-Dinotrotoluene, 2,4,6-trinitrotoluene
TP-R-B13-2-7(11.5-12.0)	2,4,6-trinitrotoluene, 2-Amino-4,6-Dinotrotoluene
TP-R-B13-2-7(1.5-2.0)	2-Amino-4,6-Dinotrotoluene, nitroglycerin

Metals – Antimony was qualified as estimated for all samples due to low matrix spike recovery. Lead, mercury and zinc were qualified as estimated for all samples due to laboratory duplicate precision exceedance. Mercury was qualified for the following

samples due to preparation blank contamination: TP-R-I5-02(4.5-5.0) TP-R-J6-02(8.0-8.5), TP-R-K6-03(6.5-7.0), TP-R-N6-02(6.0-6.5), TP-R-B13-2-8(7.5-8.0), TP-R-B13—2-8(7.5-8.0)dup, TP-R-B13-2-6(1.5-2.0), TP-R-B13-2-6(3.0-3.5) and TP-R-B13-2-7(11.5-12.0).

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate exceedance, and for parent sample TP-R-B13-2-8(1.5-2.0) due to low matrix spike recovery.

Field duplicates – Field duplicate pair TP-R-B13-2-8(7.5-8.0)/TP-R-B13-2-8(7.5-8.0)Dup was collected and analyzed in this data set. All results compared with the exception of copper, nickel, 2,4,6-trinitrotoluene and nitroglycerin. No action was taken.

Other Comments – Trip bank sample TB-08032006 was collected. All results were non-detected.

SDG KVM81

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

PCBs – No qualification was made.

Explosives/ Nitroglycerin – The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-B13-1-1(12.5-13.0)	2-Amino-4,6-Dinitrotoluene, nitroglycerin, 2,4,6-trinitrotoluene
TP-R-B13-1-1(5.5-6.0)	1,3-dinitrobenzene, nitroglycerin, 2,4,6-trinitrotoluene, 4-Amino-2,6-Dinitrotoluene
TP-R-B13-1-1(1.5-2.0)	2,4,6-trinitrotoluene, 4-Amino-2,6-Dinitrotoluene , nitroglycerin, 1,3-dinitrobenzene
TP-R-B13-1-2(13.5-14.0)	4-Amino-2,6-Dinitrotoluene, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-B13-1-2(2.0-2.5)	1,3-dinitrobenzene, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-B13-1-2(6.0-6.5)	2,4,6-trinitrotoluene, 4-Amino-2,6-Dinitrotoluene
TP-R-B13-1-3(11.5-12.0)	nitroglycerin, 2,4,6-trinitrotoluene
TP-R-B13-1-3(6.5-7.0)	2,4,6-trinitrotoluene
TP-R-B13-1-3(1.5-2.0)	1,3-dinitrobenzene, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-B13-1-4(11.5-12.0)	2,4,6-trinitrotoluene
TP-R-B13-1-4(6.0-6.5)	

TP-R-B13-1-4(6.0-6.5)	1,3-dinitrobenzene, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-B13-1-4(6.0-6.5)DUP	RDX, 2,4,6-trinitrotoluene, nitroglycerin

Metals – Antimony, copper and zinc were qualified as estimated for all samples due to low matrix spike recovery. Arsenic, copper and zinc were qualified as estimated for all samples due to laboratory duplicate precision exceedance. Copper was qualified as estimated for all samples due to serial dilution exceedance.

General Chemistry – Nitrocellulose was qualified as estimated in samples TP-R-B13-1-4(1.5-2.0) due to low matrix spike recovery.

Field duplicates – Field duplicate pair TP-R-B13-1-4(6.0-6.5)/ TP-R-B13-1-4(6.0-6.5)Dup was collected and analyzed in this data set. All results compared.

Other Comments – Trip bank sample TB-08042006 was collected. All results were non-detected.

SDG KVM82

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

PCBs – No qualification was made.

Explosives/ Nitroglycerin – All compounds were qualified as estimated for holding time exceedance for TP-R-A11-4-2(1.5-2.0).

The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-B13-1-5(11.5-12.0) TP-R-A11-5-2(7.5-8.0)	4-Amino-2,6-Dinitrotoluene
TP-R-B13-1-5(2.0-2.5) TP-R-A11-5-1(1.5-2.0) TP-R-A11-7-1(1.5-2.0) TP-R-A11-7-1(6.5-7.0)	2,4,6-trinitrotoluene
TP-R-B13-1-5(7.0-7.5) TP-R-A11-4-2(1.5-2.0)	2,4,6-trinitrotoluene, 2-Amino-4,6-Dinitrotoluene
TP-R-A11-5-1(5.0-5.5) TP-R-A11-4-2(8.0-8.5)	2-Amino-4,6-Dinitrotoluene
TP-R-A11-5-2(1.5-2.0)	1,3-dinitrobenzene, 2,4,6-trinitrotoluene, nitroglycerin, 4-Amino-2,6-Dinitrotoluene, 2-Amino-4,6-Dinitrotoluene

The following samples were qualified as estimated for 2-Amino-4,6-Dinitrotoluene due to the CCAL %D exceeding 15%: TP-R-A11-5-2(1.5-2.0), TP-R-A11-5-2(7.5-8.0) and TP-R-A11-4-2(1.5-2.0).

Metals – Antimony was qualified as estimated for all samples and only detected values for mercury due to low/high matrix spike recovery, respectively. Zinc was qualified as estimated for the following sample due to preparation blank contamination: TP-R-A11-2-1(6.5-7.0), TP-R-A11-2-1(6.5-7.0)dup, TP-R-A11-4-1(8.0-8.5), TP-R-A11-4-2(8.0-8.5), TP-R-A11-5-1(5.0-5.5) and TP-R-A11-5-2(7.5-8.0). Copper was qualified as estimated for sample TP-R-A11-5-2(7.5-8.0) due to blank contamination.

General Chemistry – No qualification was made

Field duplicates – Field duplicate pair TP-R-A11-2-1(1.5-2.0)/TP-R-A11-2-1(1.5-2.0)Dup was collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVM84

Sample Receipt and Custody Documentation - No problems were noted.

Semivolatiles – Internal standards chrysene-d12 and perylene-d12 area counts were low, resulting in estimated qualification of associated compounds for sample TP-R-F10-2094-1(1.0-1.5).

Explosives/ Nitroglycerin – The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-B10-505-2(1.5-2.0) TP-R-B10-505-5(5.5-6.0) TP-R-B10-505-5(1.5-2.0) TP-R-B10-505-3(1.5-2.0)	2,4,6-trinitrotoluene
TP-R-B10-505-4(1.5-2.0)	2,4,6-trinitrotoluene, 4-Amino-2,6-Dinitrotoluene
TP-R-B10-505-4(5.5-6.0)	4-Amino-2,6-Dinitrotoluene
TP-R-B10-505-5(10.5-11.0)	2-Amino-4,6-Dinitrotoluene

The following samples were qualified as estimated for HMX due to the CCAL exceeding 15%D: TP-R-B10-505-2(1.5-2.0), TP-R-B10-505-2(8.0-8.5), TP-R-B10-505-3(1.5-2.0) and TP-R-G8-2110-1(9.25-9.75).

Metals – Antimony was qualified as estimated in all soils due to low matrix spike recovery.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance. Nitrocellulose was qualified as estimated in parent sample TP-R-G8-2110-2(8.0-8.5) due to low matrix spike recovery.

Field duplicates – Field duplicate pair TP-R-G8-2110-2(8.0-8.5)/ TP-R-G8-2110-2(8.0-8.5)Dup was collected and analyzed in this data. All results compared.

Other Comments – None.

SDG KVM85

Sample Receipt and Custody Documentation - No problems were noted.

Semivolatiles – 2,4-dinitrotoluene was detected in one of the preparation blanks at 35 ug/Kg, however no data were qualified since the associated sample concentrations were sufficiently elevated. Acid compounds were qualified as estimated for sample TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5) due to low surrogate recovery. Chrysene and benzo(a)anthracene were qualified as estimated for the following samples due to elevated LCS recovery: TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5), TP-R-E9-2119/E9-2337/E9-1-4(7.5-8.0), TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0), TP-R-B10-508-1(1.5-2.0), TP-R-B10-508-2(2.0-2.5), and chrysene for samples TP-R-B10-508-4(1.5-2.0). Internal standard chrysene-d12 and perylene-d12 area counts were low, resulting in estimated qualification for associated compounds for sample TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5). Internal standard perylene-d12 area counts were low, resulting in estimated qualification for associated compounds for sample TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0), TP-R-E9-2119/E9-2337/E9-1-1(7.5-8.0) and TP-R-E9-2119/E9-2337/E9-1-2(0.5-1.0).

Explosives/ Nitroglycerin – The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-B10-508-1(1.5-2.0)	2-Amino-4,6-Dinitrotoluene, nitroglycerin
TP-R-B10-508-1(14.5-15.0) TP-R-B10-508-4(1.5-2.0) TP-R-B10-508-4(1.5-2.0)dup	nitroglycerin, 2,4,6-trinitrotoluene
TP-R-B10-508-1(10-10.5)	2,4,6-trinitrotoluene, 1,3-dinitrobenzene, HMX, RDX, nitroglycerin
TP-R-E9-2119/E9-2337/E9-1-2(0.5-1.0)	2,4,6-trinitrotoluene, HMX, RDX, nitroglycerin, 2-Amino-4,6-Dinitrotoluene
TP-R-B10-508-2(2.0-2.5)	2,4,6-trinitrotoluene, HMX, nitroglycerin, 2-Amino-4,6-Dinitrotoluene

TP-R-B10-508-2(10.5-11.0) TP-R-B10-508-3(5.5-6.0) TP-R-E9-2119/E9-2337/E9-1-4(1.0-1.5)	2,4,6-trinitrotoluene, nitroglycerin, 4-Amino-2,6-Dinitrotoluene
TP-R-B10-508-3(1.5-2.0)	2-Amino-4,6-Dinitrotoluene, nitroglycerin, 2,4,6-trinitrotoluene, 4-Amino-2,6-Dinitrotoluene
TP-R-B10-508-4(5.5-6.0)	HMX, RDX, nitroglycerin
TP-R-B10-508-4(5.5-6.0) TP-R-B10-508-4(16.5-17.0) TP-R-E9-2119/E9-2337/E9-1-3(0.5-1.0)	2,4,6-trinitrotoluene
TP-R-E9-2119/E9-2337/E9-1-1(0.5-1.0)	2-Amino-4,6-Dinitrotoluene, nitroglycerin

All samples except TP-R-B10-508-1(1.5-2.0), TP-R-B10-508-1(10.0-10.5), TP-R-B10-508-1(14.5-15.0), TP-R-B10-508-2(2.0-2.5) and TP-R-B10-508-2(10.5-11.0) were qualified as estimated for 4-Amino-2,6-Dinitrotoluene and samples TP-R-B10-508-1(1.5-2.0), TP-R-B10-508-1(10.0-10.5), TP-R-B10-508-2(2.0-2.5), TP-R-B10-508-3(5.5-6.0) and TP-R-B10-508-4(5.5-6.0) for HMX due to the CCAL %D exceeding 15%.

Metals – Antimony was qualified as estimated for all samples due to low matrix spike recovery.

General Chemistry – No qualification was made.

Field duplicates – Field duplicate pair TP-R-B10-508-4(1.5-2.0)/ TP-R-B10-508-4(1.5-2.0) Dup was collected and analyzed in this data set. All results compared with the exception of copper. No action was taken.

Other Comments – None.

SDG KVM87

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – Samples TP-R-G9-4-2(1.0-1.5), TP-R-F8-01(4.5-5.0), TP-R-G9-4-1(0.5-1.0), TP-R-G9-4-3(1.0-1.5) and TP-R-D14-01(1.5-2.0) were qualified as estimated for surrogate recovery.

Semivolatiles – No qualification was made.

PCBs – No qualification was made.

Explosives/ Nitroglycerin – The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%: 2,4,6-trinitrotoluene for sample TP-R-D14-01(1.5-2.0).

Metals – Antimony was qualified as estimated for all samples due to low matrix spike recovery, and zinc for serial dilution exceedance.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance. Parent sample TP-R-G8-04(8.0-8.5) was qualified as estimated for low matrix spike recovery.

Field duplicates – Field duplicate pair TP-R-D7-03(8.0-8.5)/ TP-R-D7-03(8.0-8.5)Dup was collected and analyzed in this data set. All results compared with the exception of nickel. No action was taken.

SDG KVM88

Sample Receipt and Custody Documentation - No problems were noted.

Semivolatiles – No qualification was made.

Explosives/ Nitroglycerin – The following samples were qualified as estimated for all compounds due to holding time exceedance and also for nitroglycerin for the LCS recovery: TP-R-B10-2/B10-509-4(1.5-2.0), TP-R-B10-2/B10-509-7(1.5-2.0), TP-R-B10-2/B10-509-7(4.0-4.5), TP-R-B10-2/B10-509-8(4.5-5.0), TP-R-B10-2/B10-509-6(1.5-2.0)dup and TP-R-B10-2/B10-509-6(9.5-10.0). The samples were originally extracted within holding time but with a contaminated blank (2,4,6-trinitrotoluene at 250 ug/Kg), and upon review of both the original and reextracted datasets it was determined that there were concentrations of target compounds in the reextracted dataset that were higher than in the original set, which were then reported instead of the original concentrations, which were reported as ND.

Nitroglycerin was qualified as estimated for samples TP-R-B10-2/B10-509-6(9.5-10.0) TP-R-B10-2/B10-509-6(1.5-2.0)dup and TP-R-B10-2/B10-509-8(4.5-5.0) due to the CCAL %D exceeding 15%.

The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-B10-2/B10-509-1(10.5-11.0) TP-R-B10-2/B10-509-3(13.0-13.5) TP-R-B10-2/B10-509-4(1.5-2.0)	2,4,6-trinitrotoluene
TP-R-B10-2/B10-509-1(1.5-2.0)	2-amino-4,6-dinitrotoluene, nitroglycerin
TP-R-B10-2/B10-509-2(1.5-2.0) TP-R-B10-2/B10-509-3(1.5-2.0)	RDX, 2,4,6-trinitrotoluene, 2-amino-4,6-dinitrotoluene, nitroglycerin
TP-R-B10-2/B10-509-2(8.0-8.5) TP-R-B10-2/B10-509-6(1.5-2.0) TP-R-B10-2/B10-509-8(10.5-11.0) TP-R-B10-2/B10-509-5(1.5-2.0)dup	2,4,6-trinitrotoluene, nitroglycerin

TP-R-B10-2/B10-509-8(4.5-5.0)	
TP-R-B10-2/B10-509-2(9.5-10.0)	2,4,6-trinitrotoluene, 2-amino-4,6-dinitrotoluene, nitroglycerin
TP-R-B10-2/B10-509-4(14.0-14.5)	HMX, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-B10-2/B10-509-8(1.5-2.0) TP-R-B10-2/B10-509-7(10.5-11.0) TP-R-B10-2/B10-509-7(4.5-5.0) TP-R-B10-2/B10-509-5(11.0-11.5) TP-R-B10-2/B10-509-6(1.5-2.0) TP-R-B10-2/B10-509-7(1.5-2.0)	1,3-dinitrobenzene, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-B10-2/B10-509-6(9.5-10.0)	nitroglycerin

The following samples were qualified as 'U' for 2,4,6-trinitrotoluene blank contamination per Region II guidance: TP-R-B10-2/B10-509-1(1.5-2.0), TP-R-B10-2/B10-509-1(10.5-11.0), TP-R-B10-2/B10-509-3(13.0-13.5), TP-R-B10-2/B10-509-2(8.0-8.5) and TP-R-B10-2/B10-509-2(9.5-10.0).

Metals – Antimony was qualified as estimated for all samples due to low matrix spike recovery, and copper and zinc for serial dilution exceedance.

General Chemistry – Nitrocellulose was qualified as estimated in parent sample TP-R-B10-2/B10-509-6(9.5-10.0) due to low matrix spike recovery.

Field duplicates – Field duplicate pair TP-R-B10-2/B10-509-6(1.5-2.0)/ -R-B10-2/B10-509-6(1.5-2.0) Dup was collected and analyzed in this data set. All results compared with the exception of 2,4,6-trinitrotoluene, 4-amino-2,6-dinitrotoluene, 2-amino-4,6-dinitrotoluene, nitroglycerin, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene and indeno(1,2,3-cd)pyrene. No action was taken.

Other Comments – None.

SDG KVM89

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Explosives/ Nitroglycerin – The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-B12-234-1(1.5-2.0)	2,4,6-trinitrotoluene
TP-R-B12-234-2(1.5-2.0)	

TP-R-B12-234-2(5.0-5.5)	
TP-R-B12-234-2(5.0-5.5)	Nitroglycerin

Metals – Antimony and zinc were qualified as estimated for all samples due to low/high matrix spike recovery, zinc for serial dilution exceedance and copper and zinc for laboratory duplicate exceedance.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance and parent sample TP-R-B11-663-06(8.0-8.5) due to low matrix spike recovery.

Field duplicates – Field duplicate pair TP-R-B13-04(6.5-7.0)/TP-R-B13-04(6.5-7.0)Dup was collected and analyzed in this data set for semivolatiles analysis only. All results compared.

Other Comments – Trip blank sample TB-08102006-SO was collected and all results were ND.

SDG KVM90

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

Explosives/ Nitroglycerin – The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-A11-504-1(1.5-2.0)	1,3-dinitrobenzene, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-A11-504-2(1.5-2.0) TP-R-A11-504-2(10.0-10.5)	2,4,6-trinitrotoluene
TP-R-A11-504-2(10.0-10.5)	4-Amino-2,6-Dinitrotoluene, RDX, nitroglycerin
TP-R-A11-504-3(1.5-2.0)	2,4,6-trinitrotoluene, nitroglycerin

Sample TP-R-A11-504-2(10.0-10.5) was qualified as estimated for 4-Amino-2,6-Dinitrotoluene due to the CCAL %D exceeding 15%.

Metals – Antimony, copper and zinc were qualified as estimated for all samples due to low/high matrix spike recovery, copper for serial dilution exceedance. Cadmium was qualified as estimated in samples TP-R-A11-2-2(2.0-2.5), TP-R-A11-2-2(7.0-7.5), TP-R-

B10-505-1(10.5-11.0) and TP-R-B10-505-1(10.5-11.0)dup to preparation blank contamination. Selenium was qualified as estimated in sample TP-R-A11-504-1(1.5-2.0)dup due to preparation blank contamination.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance.

Field duplicates – Field duplicate pair TP-R-B10-505-1(1.5-2.0)/TP-R-B10-505-1(1.5-2.0)Dup was collected and analyzed in this data set for metals only. All results compared. No action was taken.

Other Comments – Trip blank sample TB-08082006 was collected and all results were ND.

SDG KVM91

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – Internal standard perylene-d12 was below the area count, therefore the associated compounds were qualified as estimated for sample TP-R-C11-8572D-1(0.5-1.0).

Explosives/ Nitroglycerin – The following samples were qualified as estimated due to the cooler temperature of 5.2 – 5.8 C per Region II: TP-R-C11-8572D-1(0.5-1.0), TP-R-C11-8572D-1(9.0-9.5), TP-R-C11-8572C-1(0.5-1.0), TP-R-C11-8572C-1(8.5-9.0), TP-R-A12-426-1(0.5-1.0) and TP-R-A12-426-1(6.5-7.0).

Sample TP-R-B10-5-1(4.5-5.0) was qualified as estimated for the detected compounds due to elevated surrogate recovery. Sample TP-R-B10-5-1(1.5-2.0) was qualified as estimated for 2,4,6-trinitrotoluene due to elevated matrix spike recovery.

(J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-B10-5-1(1.5-2.0)	RDX, 1,3-dinitrobenzene, 4-Amino-2,6-Dinitrotoluene, 2-Amino-4,6-Dinitrotoluene 2,4,6-trinitrotoluene, nitroglycerin
TP-R-B10-5-1(4.5-5.0)	RDX, 1,3-dinitrobenzene, 2-Amino-4,6-Dinitrotoluene, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-B10-5-1(12.0-12.5)	4-Amino-2,6-Dinitrotoluene, 2,4,6-trinitrotoluene, nitroglycerin

TP-R-B10-6-1(1.5-2.0) TP-R-B10-6-1(12.0-12.5)	2,4,6-trinitrotoluene
TP-R-B10-6-1(4.0-4.5)	2,4,6-trinitrotoluene, nitroglycerin

Samples TP-R-C11-8572D-1(0.5-1.0), TP-R-C11-8572D-1(9.0-9.5), TP-R-C11-8572C-1(0.5-1.0), TP-R-C11-8572C-1(8.5-9.0), TP-R-A12-426-1(0.5-1.0) and TP-R-A12-426-1(6.5-7.0) were qualified as estimated for HMX due to the CCAL %D exceeding 15%.

Metals – Antimony and zinc were qualified as estimated for all samples due to low matrix spike recovery, copper for laboratory duplicate precision exceedance.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance. Parent sample TP-R-C11-8572D-1(0.5-1.0) was qualified as estimated for nitrocellulose due to low matrix spike recovery.

Field duplicates – Field duplicate samples were not collected and analyzed in this data set.

Other Comments – Trip blank sample TB-08152006 was collected and all results were ND.

SDG KVM92

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

PCBs – No qualification was made.

Explosives/ Nitroglycerin – All compounds for all samples were qualified as estimated due to elevated cooler temperatures (5.2 – 5.5 °C)

The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-B12-1-2(2.75-3.25)	1,3-dinitrobenzene, 4-Amino-2,6-Dinitrotoluene, 2-Amino-4,6-Dinitrotoluene 2,4,6-trinitrotoluene
TP-R-B12-1-1(9.0-9.5) TP-R-B12-1-3(7.0-7.5) TP-R-A12-1-1(8.5-9.0)	2,4,6-trinitrotoluene
TP-R-A12-1-1(0.5-1.0) TP-R-A12-1-1(2.0-2.5)	4-Amino-2,6-Dinitrotoluene, 2-Amino-4,6-Dinitrotoluene 2,4,6-trinitrotoluene

TP-R-A12-1-1(8.5-9.0)dup	4-Amino-2,6-Dinitrotoluene, 2,4,6-trinitrotoluene

Sample TP-R-A12-1-1(2.0-2.5) was qualified as estimated for detected compounds due to elevated surrogate recovery.

Metals – Antimony and zinc were qualified as estimated for all samples due to low matrix spike recovery, copper and zinc for laboratory duplicate exceedance, zinc for serial dilution exceedance.

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance.

Field duplicates – Field duplicate pair TP-R-A12-1-1(8.5-9.0)/ TP-R-A12-1-1(8.5-9.0)Dup was collected and analyzed in this data set. The detected results did not compare. No action was taken.

Other Comments – Trip blank sample TB-08082006 was collected and all results were ND.

SDG KVM93

Sample Receipt and Custody Documentation - No problems were noted.

Semivolatiles – Internal standard perylene-d12 area count was low, resulting in estimated qualification of associated compounds for sample TP-R-A13-625-6(1.0-1.5).

Explosives/ Nitroglycerin – The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-C13-666-3(6.0-7.0)	2,4,6-trinitrotoluene
TP-R-A13-666-3(0.5-1.0)	
TP-R-A13-625-4(8.0-8.5)	
TP-R-A13-625-6(8.0-8.5)	
TP-R-A13-625-5(0.5-1.0)	
TP-R-A12-426-2(0.5-1.0)	
TP-R-A13-426-2(7.0-7.5)	
TP-R-A13-625-2(0.5-1.0)	
TP-R-A13-625-2(9.0-9.5)	
TP-R-A13-625-3(9.0-9.5)	
TP-R-A13-625-3(0.5-1.0)	
TP-R-A13-625-1(0.5-1.0)	2,4,6-trinitrotoluene, nitroglycerin
TP-R-A13-625-5(8.5-9.0)	2,4,6-trinitrotoluene , 2-Amino-4,6-

	Dinitrotoluene
TP-R-A13-625-6(1.0-1.5)	HMX, 1,3-dinitrobenzene, 2-Amino-4,6-Dinitrotoluene, 2,4,6-trinitrotoluene, nitroglycerin
TP-R-A13-625-4(1.0-1.5)	2,4,6-trinitrotoluene , 4-Amino-2,6-Dinitrotoluene

General Chemistry – Nitrocellulose was qualified as estimated in all samples due to laboratory duplicate precision exceedance.

Field duplicates – Field duplicate pair TP-R-A13-625-2(9.0-9.5)/ TP-R-A13-625-2(9.0-9.5)/Dup was collected and analyzed in this data. All results compared.

Other Comments – None.

SDG KVM95

Sample Receipt and Custody Documentation - No problems were noted.

Semivolatiles – Internal standard phenanthrene-d10, chrysene-d12 and perylene-d12 area counts were low, resulting in estimated qualification of associated compounds for sample TP-R-C13-666-5(0.5-1.0).

Explosives/ Nitroglycerin – Surrogate recoveries were outside limits and the client agreed to report the data as is for samples TP-R-C13-666-2(1.0-1.5) and TP-R-C13-666-5(0.5-1.0), which were qualified as estimated for all samples for TP-R-C13-666-2(1.0-1.5) (very low recovery) and detected compounds for TP-R-C13-666-5(0.5-1.0) (high recovery).

The following samples were qualified as estimated (J) for the indicated compounds due to the percent difference between the primary and confirmatory column exceeding 25%:

Sample	Compound
TP-R-C13-666-2(1.0-1.5)	HMX, RDX, 2,4,6-trinitrotoluene, 2-Amino-4,6-Dinitrotoluene, 4-Amino-2,6-Dinitrotoluene, nitroglycerin
TP-R-C13-666-2(6.5-7.0) TP-R-C13-666-5(7.5-8.0) TP-R-G8-2110-3(0.5-1.0) TP-R-C13-666-4(7.0-7.5) TP-R-C13-666-4(7.0-7.5)dup	2,4,6-trinitrotoluene
TP-R-C13-666-1(1.0-1.5)	4-Amino-2,6-Dinitrotoluene, 2,4,6-trinitrotoluene , RDX, nitroglycerin
TP-R-C13-666-1(6.5-7.0)	2,4,6-trinitrotoluene, nitroglycerin
TP-R-C13-666-4(0.5-1.0)	1,3-dinitrobenzene, 2,4,6-trinitrotoluene,

	nitroglycerin
TP-R-C13-666-5(0.5-1.0)	2-Amino-4,6-Dinitrotoluene, 2,4,6-trinitrotoluene , RDX, nitroglycerin

The following samples were qualified as estimated (J) for the indicated compounds due to the CCAL exceeding 15%:

Sample	Compound
TP-R-C13-666-2(1.0-1.5)	2,4,6-trinitrotoluene
TP-R-C13-666-2(6.5-7.0)	
TP-R-C13-666-1(1.0-1.5)	
TP-R-C13-666-1(6.5-7.0)	
TP-R-C13-666-4(0.5-1.0)	
TP-R-C13-666-4(7.0-7.5)	
TP-R-C13-666-4(7.0-7.5)dup	
TP-R-C13-666-5(7.5-8.0)	

Metals – Antimony and zinc were qualified as estimated in all samples due to low matrix spike recovery, and for copper for serial dilution exceedance.

General Chemistry – None.

Field duplicates – Field duplicate pair TP-R-C13-666-4(7.0-7.5)/TP-R-C13-666-4(7.0-7.5)Dup was collected and analyzed in this data. All results compared with the exception of 2,4,6-trinitrotoluene. No action was taken.

Other Comments – None.

SDG KVM98

Sample Receipt and Custody Documentation - No problems were noted.

Volatiles – No qualification was made.

PAHs – No qualification was made.

TPH-FID – Sample SB-T-TR-04(5.5-6.0) was qualified as estimated for motor oil due to the elevated surrogate recovery. Sample SB-T-TR-08(10.0-10.5) was reported at an elevated reporting limit due to the reduced aliquot size.

Field duplicates – Field duplicate pair GW-R-TR-07(10.0-10.5)/GW-R-TR-07(10.0-10.5)Dup was collected and analyzed in this data set. All results compared.

Other Comments – None.

SDG KVN01

Sample Receipt and Custody Documentation - None.

Volatiles – No qualification was made.

Semivolatiles – No qualification was made.

PCBs – No qualification was made.

Explosives/ Nitroglycerin – No qualification was made.

Metals – Antimony, cadmium and nickel were qualified as estimated for sample TP-R-I13-02(7.5-8.0) due to low matrix spike recovery. Sample TP-R-I13-02(7.5-8.0) was qualified as estimated for arsenic, cadmium, copper, lead, nickel and zinc for laboratory duplicate precision exceedance.

General Chemistry – None.

Field duplicates – Field duplicates were not collected for this data.

Other Comments – None.

This text is a summary of items that required qualification as a result of data validation of the Kenvil data. The following acronyms were used in the text:

CCAL - continuing calibration
LCS - laboratory control sample
%D - percent difference
'U' - undetected qualification
'J' - estimated concentration
'R' - rejected qualification
MS - matrix spike
MSD - matrix spike duplicate
'UJ' - undetected at an estimated concentration
SDG - sample delivery group
PCB - polychlorinated biphenyl
TPH - total petroleum hydrocarbon
%R - percent recovery
%RSD – percent relative standard deviation
%RPD – relative percent difference

Samples were not qualified if the temperature was below the recommended temperature of $4 \pm 2^{\circ}\text{C}$, but were qualified for elevated cooler temperature for the Explosives and Energetics fraction, where indicated in the data summaries below.

Twenty-four soil samples were validated in this dataset. Lancaster Laboratories Inc. (LLI) in Lancaster, Pennsylvania analyzed the samples for semivolatiles and energetics/explosives with the exception of diazodinitrophenol, which was subcontracted to GPL Laboratory in Fredrick, Maryland.

The following methods were used by the laboratories:

- Semivolatile Organics using method 8270C,
- Explosives/Energetics using EPA method 8330,
- Nitrocellulose using method IAAP 1983,
- Diazodinitrophenol using EPA method 8330A modified.

The laboratory analyzed Explosives/Energetics using EPA method 8330. There were a few differences between quality control requirements in method 8330 and those defined in the Region II SOP. The differences are described below, and did not warrant qualification.

- Initial Calibration - RII lists analyzing the standards in triplicate. The current version of SW846 Method 8330 does not require the triplicate analysis of the initial calibration, and the laboratory does not run the standards in triplicate. The laboratory noted an older draft version of SW846 Method 8330 contained the triplicate requirement, which was omitted when promulgated into update III.

- Special QC - this is a solvent blank that is assumed for the mobil phase only, which the laboratory doesn't typically run. The laboratory relies on the method blank as a check for instrument cleanliness as well as extraction cleanliness. Should there be a problem with a blank, the laboratory noted they would check their reagents, including mobile phase, to make sure the instrument is clean. This typically is not an issue according to the laboratory.
- Lab Duplicate – the laboratory analyzes either an MS/MSD pair or an LCS/LCSD pair for precision measurement, instead of specific sample duplicates.
- Primary versus confirmation criteria - the laboratory notes the data between the two runs in not handled like their other dual column analyses. The second column, which is used for confirmation is not as good as the primary in that there are 5 coeluting pairs of compounds. The laboratory always reports the primary data with the confirmation data for support.

SDG KVN07 and KVN08

Sample Receipt and Custody Documentation - The cooler temperature was 0.3- 0.8 and 2 °C. No action was taken for temperatures below the recommended range.

Semivolatiles – Samples TP-R-88-01A-01(1.0-1.5) and TP-R-88-01B-05(2.5-3.0) were qualified as estimated due to low surrogate recoveries. Hexachlorocyclopentadiene and bis(2-chloroisopropyl)ether were qualified as estimated in samples TP-R-88-01B-03(1.5-2.0), TP-R-88-01B-03(6.5-7.0), TP-R-88-01B-04(1.0-1.5), TP-R-88-01B-04(7.5-8.0), TP-R-88-01B-05(1.0-1.5), TP-R-88-01B-05(2.5-3.0) and TP-R-88-01B-05(7.5-8.0), due to the continuing calibration percent difference (%D) exceeding 20%.

Explosives/ Nitrocellulose –Sample TP-R-88-01A-04(3.0-3.5) was qualified as estimated for 2,4-dinitrotoluene and TP-R-88-01A-05(8.0-8.5) as estimated for 2,4,6-trinitrotoluene due to the percent difference between the primary and confirmation column exceeding 40%. Nitrocellulose was qualified as estimated in all samples due to the MS/MSD RPD exceedance and low matrix spike recovery.

Diazodinitrophenol – The laboratory performed a modified 8330 analysis for these samples. Degradation as noted in the case narrative was seen during analysis of the samples. Samples TP-R-88-01A-04(1.0-1.5), TP-R-88-01A-04(3.0-3.5), TP-R-88-01A-04(9.0-9.5), TP-R-88-01A-05(1.5-2.0), TP-R-88-01A-05(1.5-2.0)DUP, TP-R-88-01A-05(8.0-8.5), TP-R-88-01B-01(9.5-10.0) and TP-R-88-01B-01(1.5-2.0) were qualified as estimated due to the continuing calibration %D exceeding 20%. Samples TP-R-88-01B-04(7.5-8.0) and TP-R-88-01B-05(2.5-3.0) were qualified as estimated due to low surrogate recovery. All sample results for SDG 612216 were qualified as estimated due to low LCS recovery, low matrix spike and spike duplicate recovery. Additionally

samples TP-R-88-01B-04(7.5-8.0), TP-R-88-01B-05(1.0-1.5), TP-R-88-01B-05(2.5-3.0) and TP-R-88-01B-05(7.5-8.0) were qualified as estimated due to the CCAL %R >20.

Field duplicates – Field duplicate pair TP-R-88-01A-05(1.5-2.0)/TP-R-88-01A-05(1.5-2.0) DUP was collected for this data set. The results were comparable.

Other Comments – There were no field or equipment blanks collected for this data set.

APPENDIX E