Boeing Plant 2
Seattle/Tukwila, Washington

Uplands Corrective Measures Study
Volume VIIIb: 2-31 Area

Data Gap Investigation Report

Part 1 of 2

Prepared for

The Boeing Company
Seattle, Washington

Prepared by

Environmental Partners, Inc.
Golder Associates Inc.

Data Gap Investigation Report Submitted
July 2010

This page intentionally left blank.

Table of Contents

Foreword

1.0 Data Gap Investigation Report 1-1

1.1 INTRODUCTION 1-1

1.1.1 Identification of Constituents of Concern 1-1

1.1.2 Data Gap Analysis Approach and Summary 1-1

1.1.2.1 Data Gap Analysis Approach 1-2

1.1.2.2 Data Gap Investigation Summary 1-4

1.1.3 Data Use 1-4

2.0 Summary of Work Performed 2-1

2.1 MONITORING WELL INSTALLATION 2-2

2.2 MONITORING WELL DEVELOPMENT 2-2

2.3 DIRECT-PUSH PROBE INSTALLATION 2-3

2.4 GROUNDWATER SAMPLING 2-3

2.5 SOIL SAMPLING 2-4

2.6 SURVEYING 2-4

3.0 Groundwater Analysis Results 3-1

3.1 INORGANICS 3-1

3.1.1 Arsenic 3-2

3.1.2 Chromium 3-3

3.1.3 Copper 3-4

3.1.4 Cyanide 3-5

3.1.5 Manganese 3-6

3.1.6 Mercury 3-6

3.1.7 Nickel 3-7

3.1.8 Zinc 3-8

3.2 SEMIVOLATILE CONSTITUENTS AND POLYCHLORINATED BIPHENYLS ... 3-9

3.2.1 Benzo(a)anthracene 3-9

3.2.2 Benzo(a)pyrene 3-10

3.2.3 Benzo(b)fluoranthene 3-10
3.2.4 Benzo(k)fluoranthene 3-11
3.2.5 bis(2-Ethylhexyl)phthalate 3-12
3.2.6 Chrysene 3-12
3.2.7 Dibenz(a,h)anthracene 3-13
3.2.8 Indeno(1,2,3-cd)pyrene 3-14
3.2.9 Aroclor 1254 (PCBs) 3-14
3.2.10 Aroclor 1260 (PCBs) 3-15
3.3 VOLATILE ORGANIC COMPOUNDS 3-16
3.3.1 1,1-Dichloroethene 3-16
3.3.2 Trichloroethene 3-17
3.3.3 Vinyl Chloride 3-18
3.4 PETROLEUM HYDROCARBONS 3-19
3.4.1 Diesel-Range Petroleum Hydrocarbons 3-19
3.4.2 Motor Oil Range Petroleum Hydrocarbons 3-20
4.0 Groundwater Hydrogeologic Results 4-1
5.0 Soil Analysis Results 5-1
5.1 INORGANICS 5-1
5.1.1 Arsenic 5-2
5.1.2 Cadmium 5-3
5.1.3 Copper 5-5
5.1.4 Mercury 5-6
5.1.5 Nickel 5-8
5.1.6 Silver 5-9
5.1.7 Thallium 5-11
5.1.8 Zinc 5-12
5.1.9 Cyanide 5-13
5.2 SEMIVOLATILE ORGANIC COMPOUNDS AND POLYCHLORINATED BIPHENYLS 5-15
5.2.1 Carcinogenic Polycyclic Aromatic Hydrocarbons 5-15
5.2.2 Polychlorinated Biphenyls 5-17

5.3 VOLATILE ORGANIC COMPOUNDS 5-19
5.3.1 Trichloroethene 5-19
5.3.2 Vinyl Chloride 5-21
5.4 PETROLEUM HYDROCARBONS 5-22
5.4.1 Diesel-Range Petroleum Hydrocarbons 5-23
6.0 Geologic Results 6-1
7.0 References 7-1

List of Tables

Table 2-1 Deviations from Section 3 of the 2-31Area Data Gap Investigation Work Plan
Table 2-2 Construction Summary for Wells Installed During the Data Gap Investigation
Table 2-3 Summary of Corrective Measures Study Groundwater Sampling Field Parameter Results 2-31 Area Direct Push Probes and Monitoring Wells
Table 3-1a Explanation of Data Qualifiers
Table 3-1b Detected Constituents in Groundwater Compared to SLs
Table 3-2a Explanation of Data Qualifiers
Table 3-2b Groundwater Analysis Results
Table 5-1a Explanation of Data Qualifiers
Table 5-1b Detected Constituents in Soil Compared to SLs
Table 5-2a Explanation of Data Qualifiers
Table 5-2b Soil Analysis Results

List of Figures

Figure 2-1 2-31 Area Proposed and Actual Sampling Locations for CMS Data Gaps

List of Attachments

Attachment A Geologic Logs and Monitoring Well As-Built Information

Attachment B Well Development Field Parameter Stabilization Data

Attachment C Survey Locations of Monitoring Wells and Direct-Push Probes

Attachment D Historical Groundwater Analytical Data

Attachment E Groundwater Data Gap Investigation Data for COCs with Cross-Sections

Attachment F Soil Data Gap Investigation and Historical Data for COCs with Cross-Sections

Attachment G Laboratory Data Reports, Data Validation and QA/QC Review Reports

Attachment H Field Information

List of Abbreviations/Acronyms

Abbreviation/Acronym	Definition
AOC	Area of Concern
bgs	Below ground surface
Boeing	The Boeing Company
CFR	Code of Federal Regulations
CMS	Corrective Measures Study
COC	Constituents of concern
cPAH	Carcinogenic polycyclic aromatic hydrocarbons
DDC	Density driven convection
DO	Dissolved oxygen
DRPH	Diesel-range petroleum hydrocarbons
DSOA	Duwamish Sediment Other Area
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
EPI	Environmental Partners, Inc.
GRPH	Gasoline-range petroleum hydrocarbons
IM	Interim measure
mg/kg	Milligrams per kilogram
MoRPH	Motor oil range petroleum hydrocarbons
NAD	North American Datum
NGVD	National Geodetic Vertical Datum (1929)
NTU	Nephelometric turbidity unit
OA	Other Area
Order	Administrative Order on Consent
ORP	Oxidation-reduction potential
PAH	Polycyclic aromatic hydrocarbons
PCB	Polychlorinated biphenyls
PCE	Tetrachloroethene

Abbreviation/Acronym	Definition
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RL	Reporting Limit
SIM	Selected ion monitoring
SL	Screening Level
SVOC	Semivolatile organic compounds
SWMU	Solid Waste Management Unit
TPH	Total petroleum hydrocarbons
TSDF	Treatment Storage and Disposal Facility
µg/kg	Micrograms per kilogram
µg/L	Micrograms per liter
UST	Underground storage tank
VOC	Volatile organic compounds
WAC	Washington Administrative Code
Work Plan	2-31 Area, Data Gap Investigation Work Plan

Foreword

This report presents the comprehensive data set for the 2-31 Area of Boeing Plant 2 including the results of the data gap investigation. The need for this investigative work was identified by The Boeing Company (Boeing) during the preparation of the Uplands Corrective Measures Study (CMS) (Uplands CMS) after the completion of the Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI). The RFI used a RCRA unit-by-unit approach to investigate the site when corrective measures were being evaluated for groundwater. This approach was inadequate for remedy selection due to the more integrated nature of groundwater contaminant distributions. Boeing, with the concurrence of the United States Environmental Protection Agency (EPA), has embarked on a series of focused investigations to enable the Uplands CMS to proceed.

EPA clarified the structure of the CMS data gaps investigation/CMS process in their May 2, 2006 letter to Boeing. To complete the CMS process, Boeing and EPA agreed to the contents of each volume and that the CMS report be structured as follows.

Volume I – Uplands CMS Conceptual Hydrogeologic Model

Volume II, Section 1 – Uplands CMS Target Media Cleanup Levels

Volume II, Section 2 – Uplands CMS Johnson and Ettinger Site Specific Data Model Report

Volume II, Section 3 – Background Technical Memorandum

Volume III through IX – Uplands CMS Data Gap Reports
(one for each of the seven Plant 2 Areas) Volumes III through IX are to be composed of three parts:

Section A – Uplands CMS Data Gap Work Plan

Section B – Uplands CMS Comprehensive Data Report

Section C – Uplands CMS Alternatives Report

Volume X – Comprehensive Uplands CMS Report

This comprehensive data report comprises Volume VIIIb of the CMS, which covers the 2-31 Area at Boeing Plant 2. Boeing and EPA have agreed that this report will “contain the results from the data gap investigation and all other historical data that were used to identify the data gaps investigated in the work plans”. However, as dictated by EPA in the April 19, 2006 Uplands Data Gap meeting with Boeing “analysis will be limited to interpolation or extrapolation, not interpretation, of the data”.

The work plans, data reports, and the CMS are being performed under the Administrative Order on Consent (Order) issued by the EPA to Boeing under the authority of Section 3008(h) of the RCRA of 1976, as amended, (42 USC 6928(h)). This Order (RCRA Docket Number 1092-01-22-3008(h)) became effective on January 18, 1994. The Order specifies activities

necessary to correct actual or potential threats to human health and the environment resulting from the release or potential release of hazardous constituents from the Boeing Plant 2 facility located at 7755 East Marginal Way South, Seattle/Tukwila, Washington.

1.0 Data Gap Investigation Report

1.1 INTRODUCTION

This section contains summaries of fieldwork, analytical testing of groundwater and soil samples, which were performed to fill 2-31 Area data gaps, identified in Section 2 of *Uplands Corrective Measures Study Volume VIIIa: 2-31 Area* (EPI, et. al. 2009). The location of the 2-31 Area is shown relative to other areas of Boeing Plant 2 in Figure 1-1. This data report is divided into five main parts as described below:

- Section 2.0: Summary of Work Performed – This section summarizes the field tasks and includes any notable deviations from Section 3.0 of the 2-31 Area Data Gap Investigation Work Plan.
- Section 3.0: Groundwater Analytical Findings/Results – This section contains analytical results for groundwater samples obtained as part of this data gap investigation. Data are presented in tables, plan view maps, and cross sections for 2-31 Area groundwater COCs.
- Section 4.0: Groundwater Hydrogeologic Results –This section presents hydrogeologic geologic data obtained during drilling, probing and groundwater sampling tasks performed as part of the 2-31 Area data gap investigation. Data are presented in tables, plan view maps, and cross sections for 2-31 Area groundwater COCs.
- Section 5.0: Soil Analytical Findings/Results - This section contains analytical results for soil samples obtained as part of this data gap investigation. Data are presented in tables for 2-31 Area soil COCs.
- Section 6.0: Geologic Findings/Results - This section presents geologic data obtained during drilling and probing tasks performed as part of the 2-31 Area data gap investigation.

1.1.1 Identification of Constituents of Concern

The 2-31 Area COCs for both groundwater and soil were re-evaluated using the methodology presented in Volume II of the CMS. This methodology was applied to the current data from the 2-31 Area data gap investigation. A 2-31 Area COC for groundwater or soil is defined as any constituent detected at concentrations greater than the lowest screening level. Screening levels for groundwater and soil are provided in Attachments E and F, and Tables E-1 and F-1, respectively.

1.1.2 Data Gap Analysis Approach and Summary

As presented in Section 2.1 of the Work Plan, the data gap analysis process is focused on those data gaps that must be filled to proceed with the corrective measure analysis in the remainder of the CMS. Uncertainties in contaminant extent alone are not considered to be a

data gap unless the information is required to select or conceptually design a corrective measure for a RCRA unit or remediation action area. That is, this information is intended to allow for remedy selection and conceptual design in the CMS, and to support the Statement of Basis for the decision. Further information might be necessary for planning a specific remedy in a specific area for final design or for performance monitoring purposes during the corrective measures implementation. For the groundwater data gap investigation, results are evaluated on an area-wide basis as opposed to the unit-by-unit approach applied historically to groundwater and soil and currently (for soil) at Plant 2. The unit-by-unit analysis approach was inadequate for remedy selection due to the more integrated nature of groundwater contaminant distributions. For soil, the unit-by-unit approach analysis approach has continued to be applied during data gaps analysis.

1.1.2.1 Data Gap Analysis Approach

During Work Plan development, data gaps were identified by considering the following CMS questions:

- **Physical Conceptual Site Model for the 2-31 Area:** Is there any area-specific information that is needed to support the physical conceptual site model?
    - **Geologic Data:** Is additional geologic information needed in order to screen or conceptually design remedies?
    - **Hydrogeologic Data:** Is additional hydrogeologic information needed in order to screen or conceptually design groundwater remedies?
- **Current Data:** Are the existing groundwater data sufficiently current to allow for the identification of existing groundwater plumes, a designation of their current extent, and evaluation of whether they are likely to grow, remain steady, or reduce over time? Finally, are there sufficient nature and extent data to screen and conceptually design groundwater remedies?
- **Source Control:** Does sufficient information exist to select source control remedies?
    - **Hot Spots:** Are RCRA units characterized in sufficient detail to select and conceptually design source control remedies?
    - **New Sources:** Have areas of contamination been identified outside of existing RCRA units that need further definition in order to select and conceptually design source control remedies, and to assign RCRA Unit designation, if appropriate?
- **Completed Pathways:** Do sufficient data exist at specific units to determine whether a specific pathway from one media to another is complete? Complete means that the pathway has the potential to impact the affected media at detectable concentrations of individual COCs above screening levels.

  - What are the physical properties governing transport/migration of the constituent through the subsurface? What is its relative distance from the Duwamish Waterway or Slip 4?
  - Are any other constituents present that may facilitate the migration of the constituent? For example, TPH and other solvents can affect the solubility of PCBs and facilitate their transport through soil and groundwater.
  - **Soil to Groundwater Pathway:** Are COCs present in soil that impact groundwater at concentrations greater than screening levels? Are there adequate groundwater data indicating that groundwater has not been impacted by soil at or downgradient of the location?
  - **Groundwater to Surface Water Pathway:** Are COCs present in groundwater that reaches surface water at concentrations greater than screening levels?

- **Background Data:** Is sufficient information available to set background concentrations for metals in groundwater or soil for remedy selection and planning?
- **Exceedance of Screening Levels by Analytical RLs:** For the analytical results of individual COCs reported as not detected ("U" qualified), do the RLs exceed the screening levels (SLs)? For constituents where RLs for non-detects ("U" qualified results) exceeded the SLs, the following questions were considered on a case-by-case basis to determine whether the circumstances present a data gap for CMS purposes.
  - Is the RL sufficiently close to the SL that soil or groundwater impacts for that COC can be adequately delineated and quantified for CMS purposes? Note that RLs for total PCBs may be biased high due to the practice of using the highest individual reported Aroclor RL for the total PCBs RL.
  - Are the soil RLs for non-detected metal constituents less than Ecology's (Ecology 1994) Puget Sound Basin natural background concentrations? For example, the RL for arsenic in soil is greater than its SL, but is commonly less than its Puget Sound natural background concentration.
  - Are there additional data from adjacent locations or subsequent samples from the same location supporting either the presence or absence of the constituent in the groundwater or soil?
  - Are there other analytical results associated with the sample that render further consideration unnecessary? For example, Aroclor 1260 in soil is reported as not detected at an elevated RL (>33 µg/kg), but Aroclor 1254 is detected at a concentration above the screening level in the same sample.

1.1.2.2 Data Gap Investigation Summary

The following points summarize the data gap investigation evaluation results:

- **Physical Conceptual Site Model for the 2-31 Area:** Sufficient data existed to characterize groundwater elevations and groundwater flow direction in the 2-31 Area.
- **Current Data:** The lack of current groundwater data was identified as a data gap in the Work Plan. Sufficient current groundwater data were obtained for further evaluation of groundwater COCs, and subsequent remedy selection in the CMS with the completion of the field work and are summarized in this report. Details on the results are provided in Section 3.0 of this report.
- **Source Control:** Some data gaps related to the potential presence of new sources in soil were identified in the Work Plan. Sufficient current soil data were obtained to evaluate this data gap, and no new sources have been identified with the completion of the field work and are summarized in this report. Details on the results of this evaluation are in Section 5.0 of this report.
- **Completed Pathways:** Some data gaps related to contaminant transport via the soil to groundwater pathway were identified in the Work Plan. Sufficient data have been obtained to evaluate this data gap with the completion of the field work summarized in this report. Details on the results of this evaluation are provided in Sections 3.0 and 5.0 of this report.
- **Background Data:** This data gap has been filled with the use of the natural background concentrations for metals established for the Puget Sound Basin (Ecology 1994) for the evaluation of soil results and the use of EPA-accepted site-specific background values for arsenic, copper, and manganese in groundwater. The determination of site-specific background values for these metals in groundwater is documented in a technical memorandum titled *Development and Use of Background Values* (EPI et. al. 2006).
- **Exceedance of Screening Levels by Analytical Reporting Limits:** Some data gaps related to Reporting Limits (RLs) exceeding SLs were identified in the Work Plan. Sufficient data have been obtained to evaluate this data gap with the completion of the field work summarized in this report.

1.1.3 Data Use

Data collected as part of the 2-31 Area data gap investigation will be applied to future remedy selection in the CMS Volume VIIIc.

2.0 Summary of Work Performed

This section summarizes investigation methods that were used for sampling groundwater and soil in the 2-31 Area to fill the data gaps identified in Section 2 of the Work Plan. As identified in the Work Plan Section 3, the following field activities were completed as part of the 2-31 Area data gap investigation:

- Installation and development of two groundwater monitoring wells, PL2-507B and PL2-507C, located in the northeast corner of the 2-31 Area to complete an A, B, and C level well cluster, as indicated on Figure 2-1.
- Installation of 50 direct-push probes downgradient of historical groundwater impacts throughout the 2-31 Area as well as in areas requiring further delineation due to COCs detected in vadose zone soils.
- Groundwater sampling at 11 existing monitoring wells, both new monitoring wells, and all 50 probe installations in the 2-31 Area.
- Soil sampling at three levels in the vadose zone (0 to 1, 4 to 5, and 9 to 10 ft below ground surface [bgs]) at all locations where new wells or probes are installed as part of the 2-31 Area data gap investigation.
- Surveying all new monitoring wells and probe locations in the 2-31 Area using standard land surveying techniques.
- Surveying all new monitoring wells and direct-push probe locations in the 2-31 Area using standard land surveying techniques.

The original Work Plan for the 2-31 Area is presented in Section 3 of CMS Volume VIIIa. During the course of performing the planned tasks, two following modifications were made to the work plan to provide clarity and provide better coordination with the 2-10 Area data gap investigation.

- Analysis of PCBs was added to soil and groundwater samples collected at location 2-31-DP-08 to support delineation of PCBs in soil at sample location G01 in the 2-10 Area.
- Correction to an errant listing of “Building 2-22” header on page 2-62 of the work plan associated with the delineation of TCE associated with historic sample location DP-4132 and elevated PCB RLs at historic sample location SW48 . The header and related changes were revised to refer to the “West Corner of 2-41 Building.

Boeing formally submitted requests for modifications to the 2-31 Area Work Plan to EPA for approval in an email dated August 18, 2009 addressed to Ms. Christy Brown, RE: Plant 2 2-31 Data Gaps Plan modification needed. EPA subsequently authorized the Work Plan modifications in a response email from Mr. Shawn Blocker dated August 26, 2009.

2.1 MONITORING WELL INSTALLATION

Two new monitoring wells, PL2-507B and PL2-507C, were installed in the 2-31 Area to address specific groundwater data gaps as identified in the 2-31 Area Data Gap Investigation Work Plan and to serve as upgradient sampling locations for the adjacent 2-10 Area of Plant 2. The two new monitoring wells were installed next to existing A level well PL2-507A to create a completed 3-level monitoring well cluster well location at the upgradient edge of the Boeing property boundary upgradient of the 2-10 Area of Plant 2.

The monitoring well locations were adjusted slightly from the proposed locations presented in Section 3 of the work plan to avoid drilling into underground utilities or foundation footings. These modifications are noted in Table 2-1. Both the proposed and the adjusted final monitoring well locations are shown in Figure 2-1.

Boreholes for the two new monitoring wells were drilled using standard hollow-stem-auger (HSA) drilling techniques. During drilling, vadose zone soil was sampled for laboratory analysis at three intervals (0 to 1, 4 to 5, and 9 to 10 ft bgs) following the soil sampling procedures listed in Section 3 of the 2-31 Area Data Gap Investigation Work Plan.

Both new monitoring wells were installed to meet resource protection well construction standards found in WAC 173-160-420, Minimum Standards for Construction and Maintenance of Wells. Well construction dimensions are presented in Table 2-2 and are shown graphically on the geologic logs and as-built diagrams presented in Attachment A.

2.2 MONITORING WELL DEVELOPMENT

The drilling subcontractor developed new monitoring wells using a combination of pumping and surging. Development was completed by continuous pumping at a steady rate using a submersible pump following procedures described in Section 3.0 of the 2-31 Area Data Gap Investigation Work Plan. Well development was performed until the wells were free of turbidity to the satisfaction of the EPI geologist.

During well development, the field parameters pH, temperature, conductivity and turbidity were measured and recorded by EPI's onsite geologist. In addition, color changes of development water before, during, and after development were observed and recorded. Field parameter data obtained during well development are presented in Attachment B.

Characterization and disposal of well development water was completed by Boeing. Hazardous wastes are managed per the requirements in "*Dangerous Waste Regulations, Chapter 173-303 WAC*". Wastes are either manifested to a Treatment, Storage, and Disposal (TSD) facility permitted to accept the material or treated on site in Boeing's Clean Water Act-permitted groundwater treatment system.

Toxic Substances Control Act (TSCA)-regulated PCB wastes are managed per the requirements in "*Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, 40 CFR 761."* TSCA-regulated PCB wastes are shipped to

facilities meeting the requirements of 40 CFR 761. There were no TSCA-regulated wastes generated by the 2-31 Area data gap investigation.

2.3 DIRECT-PUSH PROBE INSTALLATION

Soil and groundwater were sampled by direct-push methods at 50 locations in the 2-31 Area as part of this data gap investigation. Some direct-push probe locations were adjusted to avoid overhead or subsurface obstacles. These adjustments are summarized in Table 2-1. Both the proposed and final direct-push probe locations are shown in Figure 2-1. In addition, at five direct-push locations, A level probes were driven to 12-16 ft bgs, rather than the target interval of 10-14 ft bgs to avoid a silt layer that caused extremely slow groundwater recharge. EPA approved this field adjustment procedure in an email dated June 27, 2008.

Twelve direct-push probe sampling locations were sampled for groundwater at multiple levels. The multi-level probe locations are 2-31-DP-02 through 2-31-DP-12, which were sampled at 10-14 ft bgs and 40-44 ft bgs and 2-31-DP-39, which was sampled at 10-14 ft bgs, 40-44 ft bgs, and at the top of the silt layer, which was encountered in the 68-72 ft bgs sample interval.

Following sampling, all direct-push probe locations were backfilled with bentonite grout (for deeper locations) or bentonite chips (for shallow locations) upon completion of sampling. Surfaces were completed with asphalt or concrete to match the surrounding surface material.

Analytical results for groundwater samples collected from direct-push probe locations are presented in Section 3.0. Soil sample results from probe locations are presented in Section 4.0.

2.4 GROUNDWATER SAMPLING

Groundwater was sampled from the two new monitoring wells, 11 existing monitoring wells and 50 probe locations to provide current COC concentrations for the 2-31 Area data gap investigation. Groundwater sampling procedures included water level measurements (in wells only), well and probe purging, collection of field parameter data during purging, and sample collection for laboratory analysis.

Prior to sample collection, monitoring wells and probes were purged using a peristaltic pump equipped with new single-use polyethylene tubing. Low-flow purging procedures were used to minimize disturbances, which can increase turbidity, and to minimize field parameter stabilization time and purge volumes. During purging, the field parameters temperature, pH, conductivity, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity were measured and recorded. Groundwater samples were then collected following field parameter stabilization in accordance with the low-flow sampling procedures as referenced in the work plan.

To the extent possible, wells and probes were not to be purged to dryness. However, if a well or probe exhibited very slow water level recovery and was purged to dryness, groundwater samples were collected upon sufficient recovery. Sufficient recovery is considered as recovery to at least 80 percent of original static water column prior to purging. With the exception of the

five locations where the probe screened interval had to be adjusted to 12-16 ft bgs, none of the wells or probes were purged to dryness during the 2-31 Area data gap investigation.

Groundwater samples from probes generally had higher turbidities than samples taken from existing and new monitoring wells. Probe samples were field-filtered for dissolved metals analysis only. Total (unfiltered) metals samples were not collected from direct-push probe locations. Single-use in-line 0.45-micron filters were used to avoid introduction of oxygen into the sample prior to filling the sample bottles. Groundwater samples from monitoring wells included both total (unfiltered) samples and dissolved (filtered) samples for metal analyses.

Analytical results for groundwater samples collected from monitoring well and probe locations are presented in Section 3.0.

2.5 SOIL SAMPLING

Soil samples were collected for laboratory analysis and geologic logging as part of the monitoring well drilling and direct-push probe sampling tasks. Soil samples were collected for laboratory analysis from three general intervals in the vadose zone (0 to 1, 4 to 5, and 9 to 10 ft bgs) at 48 of the 50 direct-push probe locations. Probes 2-31-DP-15 and 2-31-DP-30 were located in a tunnel area and were only sampled from the 9 to 10 ft interval.

Soil samples from the vadose zone and deeper intervals were obtained using decontaminated split-spoon samplers equipped with new single-use acetate sample liners if they were collected for laboratory analysis. Soil samples from below the water table that were intended for geologic logging purposes only were obtained using a decontaminated split-spoon sampler not equipped with sample liners.

Analytical results for soil samples collected from boreholes and direct-push probe locations are presented in Section 4.0. Geologic logging data from monitoring well boreholes and direct-push probe locations are presented in Attachment A.

2.6 SURVEYING

Surveying was performed as part of the 2-31 Area data gap investigation. The surveying task was performed following the completion of all drilling and probing activities. After installation and sampling, the new groundwater monitoring wells and direct-push probe locations were surveyed by Duane Hartman & Associates using standard land surveying methods.

Elevations for all new sampling points associated with the 2-31 Area data gap investigation were surveyed relative to the National Geodetic Vertical Datum 1929 (NGVD 1929) to an accuracy of within 0.01 ft Horizontal control was surveyed to the North American Datum 1983, 1991 (NAD 83[91]) Washington State North Zone to an accuracy of 0.1 ft

Survey results for the new monitoring wells and direct-push probe locations are summarized in Attachment C.

3.0 Groundwater Analysis Results

This section presents data gap investigation results for each 2-31 Area groundwater Constituent of Concern (COC) and presents new COCs that were added to the area-specific COC list for the 2-31 Area based on results of the data gap investigation.

Analytical results for all constituents detected in groundwater samples collected as part of the 2-31 Area data gap investigation are summarized in Table 3-1b. All analytical results, including constituents that were not detected, are presented in Table 3-2b. Tables 3-1a and 3-2a provide explanation for the data qualifiers in the b and c tables. Field parameters associated with final purge volumes at each of the 2-31 Area groundwater sampling locations are summarized in Table 3-3.

Analytical results for the various constituent groups analyzed in the 2-31 Area include data for area-specific COCs, site-wide COCs, and other constituents. If a new (non-COC) constituent or a site-wide (but not area-specific) COC was detected in the 2-31 Area during the data gap investigation it was then compared to its screening level. If the new constituent was detected at a concentration greater than its screening level it was added to the area-specific and site-wide COC lists.

There were no new site-wide COCs added based on 2-31 Area data gap investigation data; however, seven existing site-wide COCs were added to the 2-31 Area area-specific COC list, including total PCBs, which is a combination of all detected PCB Aroclors rather than a unique COC. The seven additional area-specific COCs for the 2-31 Area are:

Inorganics:

- Chromium
- Manganese
- Zinc

Polychlorinated Biphenyls (PCBs):

- Aroclor 1254
- Aroclor 1260
- Total PCBs

Volatile Organic Compounds (VOCs):

- 1,1-Dichloroethene

3.1 INORGANICS

Groundwater samples were collected for inorganics analyses in accordance with Table 2-2 of the 2-31 Area Data Gap Investigation Work Plan. Five inorganics were included in the 2-31 Area area-specific groundwater COC list in the 2-31 Area Data Gap Investigation Work

Plan. Three new area-specific inorganic COCs were added as the result of the 2-31 Area data gap investigation.

The eight area-specific inorganic COCs in groundwater for the 2-31 Area are:

Arsenic	Copper	Manganese (new)	Nickel (soluble salts)
Chromium (new)	Cyanide	Mercury	Zinc (new)

The inorganics COC data generated by the 2-31 Area data gap investigation are presented in the following sections. Isoconcentration maps were drawn for analytical results for all eight inorganic COCs using the data gap investigation data. Dissolved results (from field-filtered samples) are predominantly used in the evaluation process for metals rather than total results for the following reasons:

- All probe samples were field filtered and no total metals samples were taken due to high turbidity (> 5 NTU) generally found in direct-push probe samples.
- Using filtered samples minimizes the effects of turbidity on sample results. Turbidity can be affected by sampling technique, well construction, and well development, which are independent of actual groundwater quality conditions.
- Screening levels are based on the protection of surface water and surface water standards are based on dissolved constituent levels rather than totals (WAC 173-201A-240 Table 240(3) footnote dd).

The following data summary sections for 2-31 Area inorganic COCs are predominantly based on evaluations of analytical results for dissolved samples. Total sample results are included for context and completeness and are discussed when they differ significantly from dissolved results.

3.1.1 Arsenic

The scope of the data gap investigation for arsenic in groundwater was based on historical information and data contained in the Plant 2 database at the time that the 2-31 Area Data Gap Investigation Work Plan was written. At that time, arsenic was analyzed in 44 2-31 Area groundwater samples and was detected in 42 of those samples. Boeing has established an EPA-approved site-specific background level for arsenic in groundwater of 8.0 µg/L. Five of the historical arsenic concentrations were greater than the background level for arsenic.

A thorough discussion of the historical arsenic results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historic arsenic data is presented in Attachment D.

During the 2-31 Area data gap investigation, dissolved arsenic was analyzed in groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 76 results. Dissolved arsenic was detected in 68 of the samples analyzed. Thirteen dissolved arsenic sample results were at concentrations greater than the background level of 8.0 µg/L. Total arsenic was sampled in 13 wells and detected in 12 of those samples. One of the total

arsenic sample results, from PL2-501C, was at a concentration of 137 µg/L, which is greater than the background level of 8.0 µg/L. Arsenic data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for dissolved arsenic in the A, B, and C levels of the aquifer is presented in Attachment E. Areas where groundwater samples were at concentrations greater than the background level of 8.0 µg/L are highlighted on the map. Both dissolved arsenic and total arsenic data are presented for locations where these data are available; however, the areas of arsenic at concentrations greater than its background level were based on dissolved arsenic results only.

Dissolved arsenic was not detected at concentrations greater than its background-adjusted screening level in the B level of the aquifer and at only one C level location (PL2-501C) at a concentration of 135 µg/L. The arsenic concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas currently at concentrations greater than the arsenic background level. Cross-sectional views of arsenic concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data gap investigation analytical results for dissolved arsenic in groundwater range from 0.2 µg/L to 135 µg/L. The greatest dissolved arsenic concentration was in the C level sample from well PL2-501C, located west of AOC 2-31.21 (TCE Degreaser). Total arsenic results for the 2-31 Area data gap investigation range from 0.4 µg/L to 137 µg/L. The greatest total arsenic concentration was noted in the C level sample from well PL2-501C.

3.1.2 Chromium

Prior to the 2-31 Area data gap investigation there were 45 dissolved chromium analyses for wells and probes in the 2-31 Area. Dissolved chromium was detected in 11 of the 45 analyses at concentrations ranging from 3.0 µg/L to 130 µg/L. One of the 11 historical dissolved chromium detections was at a concentration greater than the screening level for protection of surface water of 50 µg/L. This screening level is conservatively based on chromium VI oxidation state rather than the more common chromium III oxidation state. A table of historical chromium data is presented in Attachment D.

During the 2-31 Area data gap investigation dissolved chromium was analyzed in groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 76 results. Dissolved chromium was detected in 34 of the samples analyzed. One of the samples, from probe 2-31-DP-47, was at a concentration of 89 µg/L, which is greater than its screening level of 50 µg/L. As noted above, this screening level is conservatively based on chromium VI. Total chromium was analyzed in 13 samples and was detected in five of the 13 samples analyzed. None of the five total chromium sample results was at a concentration greater than the screening level of 50 µg/L. Chromium data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for chromium in the A, B, and C levels of the aquifer is presented in Attachment E. The chromium concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of dissolved chromium concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data gap investigation analytical results for dissolved chromium in groundwater range from non-detect at a reporting limit of 0.5 μg/L to detected at 89 μg/L. The greatest concentration was in the A level sample from probe 2-31-DP-47, which is not located near a RCRA unit but is downgradient of UST PL-14. Total chromium results range from non-detect at a reporting limit of 0.5 μg/L to detected at a concentration of 45 μg/L. The greatest total chromium concentration was noted in the A level sample from well PL2-503A, which is not associated with a RCRA unit.

3.1.3 Copper

The scope of the data gap investigation for copper in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, copper was analyzed in 44 2-31 Area groundwater samples and was detected in 31 of those samples. Four historical copper detections were at concentrations greater than the EPA-approved background level of 8.0 μg/L.

A thorough discussion of the historical copper results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical copper data is presented in Attachment D.

During the 2-31 Area data gap investigation dissolved copper was analyzed in groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 76 results. Dissolved copper was detected in 40 of the samples analyzed. Five of the 40 detections for dissolved copper were at concentrations greater than the background level of 8.0 μg/L. Total copper was analyzed in samples from 13 wells and was detected in 11 of those samples. Two total copper sample results were at concentrations greater than the background level. Copper data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for dissolved copper in the A, B, and C levels of the aquifer is presented in Attachment E. Areas where dissolved copper groundwater samples were at concentrations greater than the copper background level of 8.0 μg/L are highlighted on the map. Both dissolved copper and total copper data are presented for locations where these data are available; however, the areas of copper at concentrations greater than its background level are based on dissolved copper results only.

Dissolved copper was detected at concentrations greater than its background level in four samples from the A level of the aquifer. Dissolved copper was not detected at concentrations greater than its background level of 8.0 μg/L in samples from the B level of the aquifer but was detected in the C level of the aquifer at a concentration greater than its background level in the sample from well PL2-501C at a concentration of 11 μg/L.

The copper concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas currently at concentrations greater than the copper screening level. Cross-sectional views of copper concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data gap investigation analytical results for dissolved copper in groundwater range from non-detect at a reporting limit of 0.5 μg/L to detected at a concentration of 24.9 μg/L. The greatest dissolved copper concentration was in the A level sample from probe 2-31-DP-47, which is not located near a RCRA unit, but is located downgradient of UST PL-14. Total copper results from the 2-31 Area data gap investigation range from non-detect at a reporting limit of 0.5 μg/L to detected at a concentration of 14.7 μg/L. The greatest total copper concentration was in the A level sample from well PL2-504A, which not associated with a RCRA unit.

3.1.4 Cyanide

The scope of the data gap investigation for cyanide in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, cyanide was analyzed in eight 2-31 Area groundwater samples and was detected in one of those samples. The single cyanide detection in the 2-31 Area was in a sample from direct-push probe SW-01 at a concentration of 15 μg/L, which is greater than the screening level for the protection of surface water of 5.0 μg/L. Prior to this data gap investigation cyanide was not analyzed in samples from the B and C levels of the aquifer.

A thorough discussion of the historical cyanide results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical cyanide data is presented in Attachment D.

During the 2-31 Area data gap investigation total and Weak Acid Dissociable (WAD) cyanide were analyzed at 36 selected 2-31 Area groundwater sampling locations. Total cyanide was detected in two of the samples, from probes 2-31-DP-24 and 2-31-DP-48, and WAD cyanide was not detected in any of the samples analyzed. Both of the detections for total cyanide were at concentrations greater than the screening level of 5.0 μg/L. Cyanide data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

WAD cyanide is the appropriate form of cyanide for comparison to the cyanide screening level. A map displaying current data gap investigation data for WAD cyanide in the 2-31 Area is presented in Attachment E. The WAD cyanide concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas currently at concentrations greater than the cyanide screening level. Cross-sectional views of WAD cyanide concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for WAD cyanide in groundwater are all non-detect at a reporting limit of 5.0 μg/L. Concentrations of total cyanide in groundwater range

from non-detect at a reporting limit of 5.0 μg/L to detected at a concentration of 16 μg/L. The greatest total cyanide concentration was in the A level sample from probe 2-31-DP-48. Probe 2-31-DP-48 is located near SWMU 2-31.22 (Brush Plating Area).

3.1.5 Manganese

Prior to the 2-31 Area data gap investigation there were 29 dissolved manganese analyses for wells and probes in the 2-31 Area. Dissolved manganese was detected in 28 of the 29 analyses at concentrations ranging from 7.0 μg/L to 967 μg/L. Boeing has established an EPA-approved site-specific background level for dissolved manganese in groundwater of 2,000 μg/L. None of the 28 historical dissolved manganese detections was greater than the background level of 2,000 μg/L; therefore, manganese was not an area-specific COC for the 2-31 Area prior to the 2-31 Area data gap investigation. A table of historical manganese data is presented in Attachment D.

During the 2-31 Area data gap investigation dissolved manganese was analyzed in groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 76 results. Dissolved manganese was detected in all of the samples analyzed. Three of the dissolved manganese samples, from probes 2-31-DP-12 (B level), and 2-31-DP-23 (A level), and from well PL2-501C were at concentrations greater than its site-specific background level of 2,000 μg/L. Total manganese was analyzed in 13 samples and was detected in all of the samples analyzed. One of the total manganese sample results, from PL2-501C, was at a concentration greater than the site-specific background level of 2,000 μg/L. Manganese data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for manganese in the A, B, and C levels of the aquifer is presented in Attachment E. The manganese concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of dissolved manganese concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data gap investigation analytical results for dissolved manganese in groundwater range from 11 μg/L to 4,770 μg/L. The greatest concentration was in the sample from C level well PL2-501C, which is located downgradient of AOC 2-31.21 (TCE Degreaser). Total manganese results range from 21 μg/L to 4,810 μg/L. The greatest total manganese concentration was also noted in the sample from well PL2-501C, which, as noted above, is located downgradient of AOC 2-31.21 (TCE Degreaser).

3.1.6 Mercury

The scope of the data gap investigation for mercury in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, mercury was analyzed in 44 2-31 Area groundwater samples and was detected in six of those samples. Two of the six historical mercury detections were at concentrations greater than the screening level for the protection of surface water of 0.025 μg/L. None of the six mercury detections were at concentrations greater than the air screening level of 70 μg/L.

A thorough discussion of the historical mercury results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical mercury data is presented in Attachment D.

During the 2-31 Area data gap investigation dissolved mercury was analyzed in groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 76 results. Dissolved mercury was detected in two of the samples analyzed. One of the detections for dissolved mercury; the A level sample from probe 2-31-DP-04 was at a concentration of 0.0321 μg/L, which is greater than the screening level of 0.025 μg/L. Total mercury was analyzed in 13 samples from 2-31 Area monitoring wells and was detected in one sample, from well PL2-504A, at a concentration of 0.0311 μg/L. Mercury data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A map displaying the current data gap investigation data for mercury in the 2-31 Area is presented in Attachment E. Both dissolved mercury and total mercury data are presented for locations where these data are available; however, the areas of mercury concentrations greater than its screening level are based on dissolved mercury results only. The mercury concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas currently at concentrations greater than the mercury screening level. Cross-sectional views of mercury concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for dissolved mercury in groundwater range from non-detect at a reporting limit of 0.02 μg/L to detected at a concentration of 0.0321 μg/L. The greatest dissolved mercury concentration was in the A level sample from probe 2-31-DP-04, which is located downgradient of AOC 2-31.21 (TCE Degreaser). Total mercury results range from non-detect at a reporting limit of 0.02 μg/L to detected at a concentration of 0.0311 μg/L. The greatest total mercury concentration was in the A level sample from well PL2-504A, located downgradient of AOC 2-31.21 (TCE Degreaser).

3.1.7 Nickel

The scope of the data gap investigation for nickel in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, nickel was analyzed in 44 2-31 Area groundwater samples and was detected in 27 of those samples. One of the 27 historical nickel detections, in a sample from well PL2-505A, was at a concentration greater than the screening level for protection of surface water of 8.2 μg/L. A thorough discussion of the historical nickel results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. Historical nickel data are presented in Attachment D.

During the 2-31 Area data gap investigation dissolved nickel was analyzed in groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 76 results. Analytical results from the 2-31 Area data gap investigation indicate that dissolved nickel was detected in 72 of the samples and was at a concentration greater than the screening level of 8.2 μg/L in nine of those samples. Total nickel was analyzed in 13 samples from

monitoring wells and was detected in 11 of those samples. One sample, from PL2-501C, had a total nickel concentration of 32 μg/L, which is greater than the screening level. The remaining total nickel results were at concentrations less than its screening level. Nickel data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for nickel in the A, B, and C levels of the aquifer is presented in Attachment E. Both dissolved and total nickel data are presented for locations where these data are available; however, the areas of nickel at concentrations greater than its screening level are based on dissolved nickel results only. The nickel concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas currently at concentrations greater than the nickel screening level. Cross-sectional views of nickel concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for dissolved nickel in groundwater range from not detected at a reporting limit of 0.5 μg/L to detected at a concentration of 34 μg/L. The greatest dissolved nickel concentration was in the C level sample from well PL2-501C, located downgradient of AOC 2-31.21 (TCE Degreaser). Total nickel results range from not detected at a reporting limit of 0.5 μg/L to detected at a concentration of 32 μg/L. The greatest total nickel concentration was also in the sample from well PL2-501C.

3.1.8 Zinc

Prior to the 2-31 Area data gap investigation there were 45 dissolved zinc analyses for wells and probes in the 2-31 Area. Dissolved zinc was detected in six of the 45 analyses at concentrations ranging from 4.0 μg/L to 13 μg/L. None of the six historical dissolved zinc concentrations were greater than the screening level for the protection of surface water of 81 μg/L. A table of historical zinc data is presented in Attachment D.

During the 2-31 Area data gap investigation dissolved zinc was analyzed in groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 76 results. Dissolved zinc was detected in 16 of the samples analyzed. Six of the dissolved zinc samples, all from the B level of the aquifer, were at concentrations greater than its screening level of 81 μg/L. Total zinc was analyzed in 13 samples and was detected in five of the samples analyzed. None of the total zinc sample results were at concentrations greater than the screening level of 81 μg/L. Zinc data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for zinc in the A, B, and C levels of the aquifer is presented in Attachment E. The zinc concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of dissolved zinc concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data gap investigation analytical results for dissolved zinc in groundwater range from not detected at a reporting limit of 10 μg/L to detected at a concentration of 190 μg/L. The greatest

concentration was in a B level sample from probe 2-31-DP-07, which is located downgradient of AOC 2-31.21 (TCE Degreaser). Total zinc results range from not detected at a reporting limit of 10 μg/L to detected at a concentration of 30 μg/L. The greatest total zinc concentration was noted in the sample from C level well PL2-501C, located downgradient of AOC 2-31.21 (TCE Degreaser).

3.2 SEMIVOLATILE CONSTITUENTS AND POLYCHLORINATED BIPHENYLS

Groundwater samples were collected for semivolatile constituents (SVOCs) and polychlorinated biphenyls (PCBs) analyses in accordance with Table 2-2 of the 2-31 Area Data Gap Investigation Work Plan. Eight SVOCs were included in the 2-31 Area area-specific groundwater COC list in the data gap investigation work plan. PCBs were not included as 2-31 Area COCs based on historical data. Three new area-specific PCB COCs were added as the result of the 2-31 Area data gap investigation (including total PCBs, which is technically not a separate COC). No new SVOCs were added as 2-31 Area COCs as a result of the 2-31 Area data gap investigation.

The 11 area-specific inorganic COCs in groundwater for the 2-31 Area are:

Benzo(a)anthracene	bis(2-Ethylyhexyl)phthalate	Aroclor 1254 (new)
Benzo(a)pyrene	Chrysene	Aroclor 1260 (new)
Benzo(b)fluoranthene	Dibenz(a,h)anthracene	Total PCBs (new)
Benzo(k)fluoranthene	Indeno(1,2,3-cd)pyrene	

Analytical data generated by the 2-31 Area data gap investigation for the SVOC and PCB constituent groups are presented in the following sections and evaluated to determine if any data gaps remain for the purpose of CMS remedy selection. Total PCBs are not a specific analysis or constituent but rather a summation of the detected PCB Aroclors; therefore, total PCBs will not be presented in detail in the following text sections.

3.2.1 Benzo(a)anthracene

The scope of the data gap investigation for benzo(a)anthracene in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, benzo(a)anthracene was analyzed in 17 2-31 Area groundwater samples and was detected in two of those samples. Both of the historical benzo(a)anthracene detections were at concentrations greater than the screening level for the protection of surface water of 0.1 μg/L.

A thorough discussion of the historical benzo(a)anthracene results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical benzo(a)anthracene data is presented in Attachment D.

During the 2-31 Area data gap investigation benzo(a)anthracene was analyzed in selected groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 20 results. Analytical results from the 2-31 Area data gap investigation indicate that benzo(a)anthracene was not detected in any of the samples. Benzo(a)anthracene data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for benzo(a)anthracene in the A, B, and C levels of the aquifer is presented in Attachment E. The benzo(a)anthracene concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of benzo(a)anthracene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for benzo(a)anthracene in groundwater are all not detected at a reporting limit of 0.1 μg/L.

3.2.2 Benzo(a)pyrene

The scope of the data gap investigation for benzo(a)pyrene in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, benzo(a)pyrene was analyzed in 17 2-31 Area groundwater samples and was detected in two of those samples. Both of the historical benzo(a)pyrene detections were at concentrations greater than the screening level for the protection of surface water of 0.1 μg/L.

A thorough discussion of the historical benzo(a)pyrene results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical benzo(a)pyrene data is presented in Attachment D.

During the 2-31 Area data gap investigation benzo(a)pyrene was analyzed in selected groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 20 results. Analytical results from the 2-31 Area data gap investigation indicate that benzo(a)pyrene was not detected in any of the samples. Benzo(a)pyrene data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for benzo(a)pyrene in the A, B, and C levels of the aquifer is presented in Attachment E. The benzo(a)pyrene concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of benzo(a)pyrene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for benzo(a)pyrene in groundwater are all not detected at a reporting limit of 0.1 μg/L.

3.2.3 Benzo(b)fluoranthene

The scope of the data gap investigation for benzo(b)fluoranthene in groundwater was based on

historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, benzo(b)fluoranthene was analyzed in 17 2-31 Area groundwater samples and was detected in two of those samples. Both of the historical benzo(b)fluoranthene detections were at concentrations greater than the screening level for the protection of surface water of 0.1 μg/L.

A thorough discussion of the historical benzo(b)fluoranthene results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical benzo(b)fluoranthene data is presented in Attachment D.

During the 2-31 Area data gap investigation benzo(b)fluoranthene was analyzed in selected groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 20 results. Analytical results from the 2-31 Area data gap investigation indicate that benzo(b)fluoranthene was not detected in any of the samples. Benzo(b)fluoranthene data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for benzo(b)fluoranthene in the A, B, and C levels of the aquifer is presented in Attachment E. The benzo(a)fluoranthene concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of benzo(b)fluoranthene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for benzo(b)fluoranthene in groundwater are all not detected at a reporting limit of 0.1 μg/L.

3.2.4 Benzo(k)fluoranthene

The scope of the data gap investigation for benzo(k)fluoranthene in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, benzo(k)fluoranthene was analyzed in 17 2-31 Area groundwater samples and was detected in one of those samples. The single historical benzo(k)fluoranthene detection was at a concentration greater than the screening level for the protection of surface water of 0.1 μg/L.

A thorough discussion of the historical benzo(k)fluoranthene results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical benzo(k)fluoranthene data is presented in Attachment D.

During the 2-31 Area data gap investigation benzo(k)fluoranthene was analyzed in selected groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 20 results. Analytical results from the 2-31 Area data gap investigation indicate that benzo(k)fluoranthene was not detected in any of the samples. Benzo(k)fluoranthene data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for benzo(k)fluoranthene in the A, B, and C levels of the aquifer is presented in Attachment E. The benzo(k)fluoranthene

concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of benzo(k)fluoranthene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for benzo(k)fluoranthene in groundwater are all not detected at a reporting limit of 0.1 μg/L.

3.2.5 bis(2-Ethylhexyl)phthalate

The scope of the data gap investigation for bis(2-ethylhexyl)phthalate in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, bis(2-ethylhexyl)phthalate was analyzed in 17 2-31 Area groundwater samples and was detected in one of those samples. The single historical bis(2-ethylhexyl)phthalate detection was at a concentration greater than the screening level for the protection of surface water of 3.0 μg/L.

A thorough discussion of the historical bis(2-ethylhexyl)phthalate results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical bis(2-ethylhexyl)phthalate data is presented in Attachment D.

During the 2-31 Area data gap investigation bis(2-ethylhexyl)phthalate was analyzed in selected groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 20 results. Analytical results from the 2-31 Area data gap investigation indicate that bis(2-ethylhexyl)phthalate was detected in the A level sample from 2-31-DP-02 at a concentration of 1.3 μg/L, which is less than the screening level of 3.0 μg/L. bis(2-Ethylhexyl)phthalate data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for bis(2-ethylhexyl)phthalate in the A, B, and C levels of the aquifer is presented in Attachment E. The bis(2-ethylhexyl)phthalate concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of bis(2-ethylhexyl)phthalate concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for bis(2-ethylhexyl)phthalate in groundwater range from non-detect at a reporting limit of 1.0 μg/L to detected at a concentration of 1.3 μg/L. The greatest bis(2-ethylhexyl)phthalate concentration was detected in the A level sample from probe 2-31-DP-02, located next to former UST PL-12.

3.2.6 Chrysene

The scope of the data gap investigation for chrysene in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, chrysene was analyzed in 17 2-31 Area groundwater samples and was detected in two of those samples. Both historical chrysene

detections were at concentrations greater than the screening level for the protection of surface water of 0.1 μg/L.

A thorough discussion of the historical chrysene results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical chrysene data is presented in Attachment D.

During the 2-31 Area data gap investigation chrysene was analyzed in selected groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 20 results. Analytical results from the 2-31 Area data gap investigation indicate that chrysene was not detected in any of the samples. Chrysene data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for chrysene in the A, B, and C levels of the aquifer is presented in Attachment E. The chrysene concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of chrysene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for chrysene in groundwater are all not detected at a reporting limit of 0.1 μg/L.

3.2.7 Dibenz(a,h)anthracene

The scope of the data gap investigation for dibenz(a,h)anthracene in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, dibenz(a,h)anthracene was analyzed in 17 2-31 Area groundwater samples and was detected in one of those samples. The single historical dibenz(a,h)anthracene detection was at a concentration greater than the screening level for the protection of surface water of 0.1 μg/L.

A thorough discussion of the historical dibenz(a,h)anthracene results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical dibenz(a,h)anthracene data is presented in Attachment D.

During the 2-31 Area data gap investigation dibenz(a,h)anthracene was analyzed in selected groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 20 results. Analytical results from the 2-31 Area data gap investigation indicate that dibenz(a,h)anthracene was not detected in any of the samples. Dibenz(a,h)anthracene data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for dibenz(a,h)anthracene in the A, B, and C levels of the aquifer is presented in Attachment E. The dibenz(a,h)anthracene concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of dibenz(a,h)anthracene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for dibenz(a,h)anthracene in groundwater are all not detected at a reporting limit of 0.1 μg/L.

3.2.8 Indeno(1,2,3-cd)pyrene

The scope of the data gap investigation for indeno(1,2,3-cd)pyrene in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, indeno(1,2,3-cd)pyrene was analyzed in 17 2-31 Area groundwater samples and was detected in one of those samples. The single historical indeno(1,2,3-cd)pyrene detection was at a concentration greater than the screening level for the protection of surface water of 0.1 μg/L.

A thorough discussion of the historical indeno(1,2,3-cd)pyrene results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. A table of historical indeno(1,2,3-cd)pyrene data is presented in Attachment D.

During the 2-31 Area data gap investigation dibenz(a,h)anthracene was analyzed in selected groundwater samples collected at 2-31 Area wells and direct-push probe sampling locations for a total of 20 results. Analytical results from the 2-31 Area data gap investigation indicate that indeno(1,2,3-cd)pyrene was not detected in any of the samples. Indeno(1,2,3-cd)pyrene data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for indeno(1,2,3-cd)pyrene in the A, B, and C levels of the aquifer is presented in Attachment E. The indeno(1,2,3-cd)pyrene concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation. Cross-sectional views of indeno(1,2,3-cd)pyrene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for indeno(1,2,3-cd)pyrene in groundwater are all not detected at a reporting limit of 0.1 μg/L.

3.2.9 Aroclor 1254 (PCBs)

Prior to the data gap investigation Aroclor 1254 was analyzed in 12 samples from the 2-31 Area and was not detected at a concentration greater than its screening level for the protection of surface water of 0.01 µg/L. Therefore, Aroclor 1254 was not an area-specific COC for groundwater in the 2-31 Area. Historical Aroclor 1254 data are presented in Attachment D.

Because Aroclor 1254 was not an area-specific COC for groundwater in the 2-31 Area there were no groundwater data gaps identified for this constituent in the 2-31 Area Data Gap Investigation Work Plan; however, PCBs, including Aroclor 1254, were analyzed in groundwater samples collected from selected direct-push probe locations and monitoring well locations in the A, B, and C levels of the aquifer for a total of 26 PCB results. Analytical results indicate that Aroclor 1254 was detected in two of the 26 samples analyzed for PCBs. The samples in which Aroclor 1254 was detected were from A level samples at probe locations 2-31-DP-45, located east of OA-17.4 (Transformer Vault) and 2-31-DP-50, which is not associated with any specific

RCRA unit. The A level samples from 2-31-DP-45 and 2-31-DP-50 had Aroclor 1254 concentrations of 0.025 μg/L and 0.019 μg/L, respectively. Both concentrations are greater than its screening level of 0.01 μg/L. Aroclor 1254 data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for Aroclor 1254 in the A, B, and C levels of the aquifer is presented in Attachment E. The Aroclor 1254 concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas with concentrations currently greater than the Aroclor 1254 screening level. Cross-sectional views of Aroclor 1254 concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for Aroclor 1254 in groundwater range from non-detect at a reporting limit of 0.01 μg/L to detected at a concentration of 0.025 μg/L in the A level sample from probe 2-31-DP-45, located east of OA-17.4 (Transformer Vault).

3.2.10 Aroclor 1260 (PCBs)

Prior to the data gap investigation Aroclor 1260 was analyzed in 12 samples from the 2-31 Area and not detected at a concentration greater than its screening level for the protection of surface water of 0.01 µg/L. Therefore, Aroclor 1260 was not an area-specific COC for groundwater in the 2-31 Area. Historical Aroclor 1260 data are presented in Attachment D.

Because Aroclor 1260 was not an area-specific COC for groundwater in the 2-31 Area there were no groundwater data gaps identified for this constituent in the 2-31 Area Data Gap Investigation Work Plan; however, PCBs, including Aroclor 1260, were analyzed in groundwater samples collected from selected direct-push probe locations and monitoring well locations in the A, B, and C levels of the aquifer for a total of 26 PCB results. Analytical results indicate that Aroclor 1260 was detected in two of the 26 samples analyzed for PCBs. The samples in which Aroclor 1260 was detected were from A level samples at probe locations 2-31-DP-44 and 2-31-DP-45. Both are located east of OA-17.4 (Transformer Vault). The samples from 2-31-DP-44 and 2-31-DP-45 had Aroclor 1260 concentrations of 0.031 μg/L and 0.044 μg/L, respectively. Both concentrations are greater than its screening level of 0.01 μg/L. Aroclor 1260 data from the 2-31 Area data gap investigation are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for Aroclor 1260 in the A, B, and C levels of the aquifer is presented in Attachment E. The Aroclor 1260 concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas with concentrations currently greater than the Aroclor 1260 screening level. Cross-sectional views of Aroclor 1260 concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for Aroclor 1260 in groundwater range from non-detect at a reporting limit of 0.01 μg/L to detected at a concentration of 0.044 μg/L. The

greatest Aroclor 1260 detection was in the A level sample from probe 2-31-DP-45, located east of OA-17.4 (Transformer Vault).

3.3 VOLATILE ORGANIC COMPOUNDS

Groundwater samples were collected and chemical analysis conducted for volatile organic compounds (VOCs) by EPA method 8260B. These analyses were performed on groundwater samples collected from all 2-31 Area sampling locations (as noted in Table 2-2) in association with the 2-31 Area Data Gap Investigation Work Plan. There were two VOCs, trichloroethene and vinyl chloride, which were identified as area-specific COCs in groundwater for the 2-31 Area prior to implementation of the 2-31 Area data gap investigation.

Based on 2-31 Area data gap investigation data, one additional VOC constituent, 1,1-dichloroethene, was detected at concentrations greater than its screening levels. Therefore, 1,1-dichloroethene has been added to the 2-31 Area area-specific COC list. 1,1-Dicholroethene was already on the site-wide COC list and therefore does not represent a new site-wide COC. The three area-specific VOC COCs for the 2-31 Area are:

1,1-Dichloroethene (new)	Trichloroethene	Vinyl Chloride

Analytical data generated by the 2-31 Area data gap investigation for the VOC constituent group are presented in the following sections.

3.3.1 1,1-Dichloroethene

Prior to the data gap investigation 1,1-dichloroethene was analyzed in 103 samples from the 2-31 Area and was not detected at a concentration greater than its screening level for the protection of surface water of 0.382 µg/L. In addition, none of the historical 1,1-dichloroethene concentrations was at a concentration greater than the screening level for the protection of indoor air of 25 µg/L. Therefore, 1,1-dichloroethene was not an area-specific COC for groundwater in the 2-31 Area. Historical 1,1-dichloroethene data are presented in Attachment D.

Because 1,1-dichloroethene was not an area-specific COC for groundwater in the 2-31 Area there were no groundwater data gaps identified for this constituent in the 2-31 Area Data Gap Investigation Work Plan; however, VOCs, including 1,1-dichloroethene, were analyzed in groundwater samples collected from all direct-push probe locations and monitoring well locations in the A, B, and C levels of the aquifer for a total of 76 1,1-dichloroethene results. Analytical results indicate that 1,1-dichloroethene was detected in two groundwater samples and was at concentrations greater than its screening level of 0.382 µg/L in both of those samples. The two locations with 1,1-dichloroethene at concentrations greater than its screening level are the A level samples from direct push probe 2-31-DP-38 and 2-31-DP-40 at concentrations of 3.2 µg/L and 0.5 µg/L, respectively. Both probes are located downgradient of AOC 2-31.21 (TCE Degreaser). 1,1-Dichloroethene was not detected at a concentration greater than its screening level for the protection of indoor air of 25 µg/L in any groundwater samples from the 2-31 Area. 1,1-Dichloroethene data from the 2-31s Area data gap investigation are summarized Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for 1,1-dichloroethene in the A, B, and C levels of the aquifer is presented in Attachment E. The small area with 1,1-dichloroethene concentrations greater than its screening level is in the A level of the aquifer downgradient of AOC 2-31.21 (TCE Degreaser). The 1,1-dichloroethene concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas with concentrations currently greater than the 1,1-dichloroethene screening level. Cross-sectional views of 1,1-dichloroethene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for 1,1-dichloroethene in groundwater range from non-detect at a reporting limit of 0.2 μg/L to detected at a concentration of 3.2 μg/L. The greatest 1,1-dichloroethene concentration was in the A level sample from direct-push probe 2-31-DP-38, located downgradient of AOC 2-31.21 (TCE Degreaser).

3.3.2 Trichloroethene

The scope of the data gap investigation for trichloroethene in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, trichloroethene was analyzed in 103 2-31 Area groundwater samples and was detected in 25 of those samples. All 25 trichloroethene detections were at concentrations greater than the screening level for protection of surface water of 0.302 μg/L. Eight of the historical detected trichloroethene concentrations were greater than the screening level for the protection of indoor air of 33 μg/L. A thorough discussion of the historical trichloroethene results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. Historical trichloroethene data are presented in Attachment D.

During the 2-31 Area data gap investigation trichloroethene was analyzed in groundwater samples collected at all new monitoring wells, all existing monitoring wells, and all direct-push probes for a total of 76 results. Analytical results indicate that trichloroethene was detected in 11 of the groundwater samples and was detected at concentrations greater than its screening level for the protection of surface water of 0.302 μg/L in seven of the groundwater samples. Trichloroethene was not detected at a concentration greater than its screening level for the protection of indoor air of 33 μg/L in data gap investigation samples from the 2-31 Area. Trichloroethene data are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for trichloroethene in the A, B, and C levels of the aquifer is presented in Attachment E. There are three areas in the A level of the aquifer with trichloroethene at concentrations greater than its screening level. All three areas with trichloroethene at concentrations greater than its screening level are downgradient of AOC 2-31.21 (TCE Degreaser). There are no areas of trichloroethene concentrations greater than its screening level in the B and C levels of the aquifer. The trichloroethene concentration map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas with concentrations greater than the trichloroethene screening level. Cross-sectional

views of trichloroethene concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for trichloroethene in groundwater range from non-detect with a reporting limit of 0.2 μg/L to detected at a concentration of 7.2 μg/L. The greatest trichloroethene concentration was in the A level sample from probe 2-31-DP-07, which is downgradient of AOC 2-31.21 (TCE Degreaser).

3.3.3 Vinyl Chloride

The scope of the data gap investigation for vinyl chloride in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, vinyl chloride was analyzed in 103 2-31 Area groundwater samples and was detected in 45 of those samples. Of the 45 vinyl chloride detections, 21 were at concentrations greater than the screening level for protection of surface water of 0.731 μg/L. None of the samples had a vinyl chloride concentration greater than the screening level for the protection of indoor air of 130 μg/L. A thorough discussion of the historical vinyl chloride results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. Historical vinyl chloride data are presented in Attachment D.

During the 2-31 Area data gap investigation vinyl chloride was analyzed in groundwater samples collected at all new monitoring wells, all existing monitoring wells, and all direct-push probes for a total of 76 results. Analytical results indicate that vinyl chloride was detected in 31 of the groundwater samples analyzed. Vinyl chloride was detected at concentrations greater than its screening level for the protection of surface water of 0.731 μg/L in 13 of the groundwater samples. Vinyl chloride was detected at a concentration of 3,600 μg/L in the A level sample from probe 2-31-DP-38. This concentration is greater than the screening level for the protection of indoor air of 130 μg/L. Vinyl chloride data are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for vinyl chloride in the A, B, and C levels of the aquifer is presented in Attachment E. There are detected concentrations of vinyl chloride greater than its screening level for the protection of surface water in the A level of the aquifer only. The area of vinyl chloride in groundwater at concentrations greater than its screening level is at a downgradient of AOC 2-31.21 (TCE Degreaser). The vinyl chloride map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas with concentrations currently greater than the vinyl chloride screening level. Cross-sectional views of vinyl chloride concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for vinyl chloride in groundwater range from non-detect with a reporting limit of 0.2 μg/L to detected at a concentration of 3,600 μg/L. The greatest vinyl chloride concentration was in the A level sample from probe 2-31-DP-38, which is located downgradient of AOC 2-31.21 (TCE Degreaser).

3.4 PETROLEUM HYDROCARBONS

Analytical results for all site-wide petroleum hydrocarbon COCs were screened to determine which site-wide constituents are area-specific COCs for the 2-31 Area. Three classes of petroleum hydrocarbons were included on the 2-31 Area-specific COC list based on their previous occurrence at concentrations greater than screening levels. The petroleum hydrocarbons that are COCs for the 2-31 Area are:

- Diesel-range petroleum hydrocarbons (DRPH)
- Motor oil-range petroleum hydrocarbons (MoRPH)
- Oil and grease-range petroleum hydrocarbons

Oil and grease-range petroleum hydrocarbons are relatively immobile in groundwater and were more appropriately evaluated using analytical methods for DRPH and MoRPH.

Groundwater samples were collected and chemical analysis conducted by the Northwest Total Petroleum Hydrocarbons – Diesel Range, Extended (NWTPH-Dx) method. NWTPH-Dx analysis was performed on groundwater samples collected at or near selected sampling locations where petroleum hydrocarbons were noted in groundwater during previous investigations or were present in vadose zone soils. No new petroleum hydrocarbon ranges were detected in samples collected during the 2-31 Area data gap investigation.

Analytical data generated by the 2-31 Area data gap investigation for petroleum hydrocarbons are presented in the following sections.

3.4.1 Diesel-Range Petroleum Hydrocarbons

The scope of the data gap investigation for Diesel-Range Petroleum Hydrocarbons (DRPH) in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, DRPH was analyzed in 20 2-31 Area groundwater samples and was detected in four of those samples. Three of the four DRPH detections were at concentrations greater than the screening level of 500 μg/L. A thorough discussion of the historical DRPH results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. Historical DRPH data are presented in Attachment D.

During the 2-31 Area data gap investigation DRPH was analyzed in groundwater samples collected from selected new and existing monitoring wells and from selected direct-push probes for a total of 14 results. DRPH was not detected, at a reporting limit of 250 μg/L, in any of the 14 groundwater samples analyzed. DRPH data are summarized in Tables 3-1b and 3-2b.

A 2-31 Area map displaying current data gap investigation data for DRPH is presented in Attachment E. The DRPH map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate highlighted areas with concentrations currently greater than the DRPH

screening level. Cross-sectional views of DRPH concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for DRPH in groundwater are all non-detect with a reporting limit of 250 μg/L.

3.4.2 Motor Oil Range Petroleum Hydrocarbons

The scope of the data gap investigation for MoRPH in groundwater was based on historical information and data contained in the Plant 2 database at the time the 2-31 Area Data Gap Investigation Work Plan was written. At that time, MoRPH was analyzed in 19 2-31 Area groundwater samples and was detected in one of those samples. The single detection of MoRPH was at a concentration of 590 μg/L, which is greater than its screening level of 500 μg/L. A thorough discussion of the historical MoRPH results prior to this data gap investigation is provided in the 2-31 Area Data Gap Investigation Work Plan. Historical MoRPH data are presented in Attachment D.

During the 2-31 Area data gap investigation MoRPH was analyzed in groundwater samples collected from selected new and existing monitoring wells and from selected direct-push probes for a total of 14 results. MoRPH was not detected, at a reporting limit of 500 μg/L, in any of the 14 groundwater samples analyzed. MoRPH data are summarized in Tables 3-1b, and 3-2b.

A 2-31 Area map displaying current data gap investigation data for MoRPH is presented in Attachment E. The MoRPH map also displays historical data for locations that were not re-sampled as part of the 2-31 Area data gap investigation; however, these historical data were not used to delineate the highlighted areas with concentrations currently greater than the MoRPH screening level. Cross-sectional views of MoRPH concentrations in groundwater east-west and north-south through the 2-31 Area are also presented in Attachment E.

Data from the 2-31 Area data gap investigation for MoRPH in groundwater are all non-detect at a reporting limit of 500 μg/L.

4.0 Groundwater Hydrogeologic Results

Groundwater flow directions and rates in the 2-31 Area are sufficiently well understood for remedy selection purposes and did not require additional investigation work as part of the 2-31 Area data gap investigation. Boeing's understanding of the hydrogeology of the 2-31 Area is summarized in the 2-31 Area Data Gap Investigation Work Plan. In addition, a comprehensive site-wide hydrogeologic investigation of performed in July 2004 included data from wells in the 2-31 Area. These data were used to calculate vertical hydraulic gradient directions and magnitudes and are summarized in the report *Uplands Corrective Measures Study – Conceptual Hydrogeologic Model Data Gap Investigation Results – Boeing Plant 2* (EPI 2005).

This page intentionally left blank.

5.0 Soil Analysis Results

In contrast to groundwater, soil data gaps investigation results are evaluated on a unit-by-unit basis as opposed to an area-wide basis. Data gaps associated with the nature and extent of soil COCs in the 2-31 Area were identified in Section 2.4 of the Work Plan. A summary of field investigation activities designed to address the data gaps was presented in Section 3 of the Work Plan. The results of the 2-31 Area data gap sampling and analysis are presented by constituent group and soil COC in the Sections 5.1 through 5.4 below. Constituents detected in soil samples are summarized in Table 5-1b. The 2-31 Area-specific soil COCs are listed and summarized in Table F-2 (Attachment F), which identifies the maximum concentration and number of exceedances for the exposure pathways presented in Table 2-1 of the Work Plan. Table 5-2b includes all data gaps investigation analytical data for the 2-31 Area soil data gap investigation.

The soil concentration maps presented in the Work Plan (Attachment B) for all soil COCs have been updated to include the 2-31 Area data gap investigation results. New soil concentration maps have been created for the remaining soil COCs not represented in the Work Plan. The maps, provided in Attachment F, present COC concentrations in soil for three intervals (0 to 1 ft bgs, greater than 1 to 6 ft bgs and greater than 6 to 12 ft bgs) within the vadose zone soil column from 0 to 12 ft bgs. Isoconcentration lines based on screening levels are presented on each of the figures. Tables of all soil COC results for the 2-31 Area data updated with the data gap results, as applicable, are also provided in Attachment F.

5.1 INORGANICS

In association with the 2-31 Area data gap investigation, all soil samples were analyzed for data gap list metals in accordance with Work Plan Table 2-2. Using both historical data and 2-31 Area data gap investigation results, all site-wide inorganic soil COCs were again screened to determine which constituents are soil COCs for the 2-31 Area, as described in Section 2.4 of the Work Plan. The resulting soil COC list presented in Section 2.4.1 of the Work Plan has been updated to include site wide COC thallium as a new COC. The following eight metals and cyanide are COCs in soil for the 2-31 Area:

Arsenic	Copper	Nickel	Thallium	Cyanide
Cadmium	Mercury	Silver	Zinc	

Following submittal of Work Plan Sections 1 through 3, EPA agreed to the use of the natural background concentrations for metals established for the Puget Sound Basin (Ecology 1994). Therefore, where natural background concentrations are both available and above the pathway-specific screening level(s), natural background concentrations represent the screening level used to evaluate data gap investigation results.

The metals soil COC data generated by the 2-31 Area data gap investigation are summarized in Sections 5.1.1 through 5.1.4 with historical data. A number of the data gaps identified for metals in Section 2.4 of the Work Plan involved determining whether the soil to groundwater

pathway is currently complete. The definition of a complete soil to groundwater pathway is provided in Section 2.1 of the Work Plan.

5.1.1 Arsenic

The scope of the data gaps investigation for arsenic was based on historical information and data sets contained in the Plant 2 RCRA database at the time the Work Plan was written. At that time, arsenic had been analyzed in 55 soil samples from the 2-31 Area and detected in 35 samples. Of the samples where arsenic was detected, nine were reported at concentrations above the 7.3 mg/kg soil screening level. The screening level is based on the natural background concentration of arsenic in the Puget Sound Basin (Ecology 1994). Concentrations of arsenic detected above this screening level ranged from 8 to 12 mg/kg. The maximum concentration (12 mg/kg) was detected in two samples from different locations: one from 7 ft bgs at DMSB-02, on the west side of Building 2-25, and the second from 0.5 ft bgs at NS-02-31, near SWMU 2-31.18. This maximum concentration detected is below the direct contact exposure pathway screening level of 33.3 mg/kg.

During the 2-31 Area data gap investigation, arsenic was analyzed in an additional 152 soil samples from 52 locations and was detected in 12 of these samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including arsenic. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of arsenic analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The arsenic soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level (7.3 mg/kg) have been added to the soil concentration maps. A thorough discussion of historical arsenic results before the data gap investigation is provided in the Work Plan; the following paragraphs provide a brief summary of the data gap investigation results for arsenic.

For the 12 data gap investigation samples in which arsenic was detected, concentrations ranged from 6 mg/kg to 64 mg/kg, eight of which were above the soil screening level of 7.3 mg/kg. The maximum concentration of arsenic detected in soil during the data gap investigation was 64 mg/kg, in a sample from 9 to 10 ft bgs at probe 2-31-DP-44, on the south side of Building 2-25. This concentration also exceeds the direct contact exposure pathway screening level of 33.3 mg/kg. Arsenic was also detected at 9 mg/kg in a sample from 4 to 5 ft bgs at this same location.

As identified in Section 2.4.1.1 of the Work Plan, addressing data gaps for arsenic in soil consists of delineating the extent of impacts laterally and vertically on the west side of Building 2-25, southeast of Building 2-22 and also to the north of Building 2-22.

Soil samples collected from probes 2-31-DP-21 through 2-31-DP-23 were analyzed for arsenic to delineate the lateral and vertical extent of arsenic west of Building 2-25. Arsenic was not detected above the RL in any of the nine samples collected from three depth intervals at these locations.

Soil samples collected from probes 2-31-DP-18 through 2-31-DP-20 were analyzed for arsenic to delineate the lateral and vertical extent of arsenic concentrations southeast of Building 2-22, east of UST PL-35. Arsenic was not detected above the RL in any of the nine soil samples collected from three depth intervals at these locations.

Soil samples collected from wells PL2-507B and PL2-507C and probes 2-31-DP-16 and 2-31-DP-17 were analyzed for arsenic to delineate the lateral and vertical extent of arsenic at the north side of Building 2-22. Arsenic was not detected in any of the twelve samples collected from these four locations.

Arsenic was detected at concentrations above the screening level in six additional 2-31 Area data gap soil samples: one is from the south side of Building 2-25 adjacent to 2-31-DP-44 (2-31-DP-46), two are from a single probe east of Building 2-28 (2-31-DP-47), one is from east of SWMU 2-31.22 (Brush Plating Area) (2-31-DP-48), and one is from near the southwest boundary of the 2-31 Area (2-31-DP-50). Arsenic concentrations above the screening level in these samples ranged from 8 mg/kg to 14 mg/kg.

Addressing data gaps for arsenic via the soil to groundwater pathway, as identified in Section 2.4.1.1 of the Work Plan, involves determining whether groundwater has been impacted by arsenic in soil near SWMU 2-31.18, to the west of Building 2-25, to the southeast of Building 2-22, and to the north of the Building 2-22. The following paragraphs summarize groundwater sampling results related to arsenic soil data gaps identified in Section 2.4.1.1 of the Work Plan.

Arsenic (dissolved) was detected above the background-adjusted groundwater screening level of 8.0 µg/L in four A level samples from four direct-push probes (2-31-DP-35 through 2-31-DP-38) surrounding SWMU 2-31.18. Detected concentrations in these samples ranged from 14.5 to 18.4 µg/L.

Arsenic (dissolved) was detected below the background-adjusted groundwater screening level in three A level samples from three direct-push probes (2-31-DP-21 through 2-31-DP-23) identified in the Work Plan to evaluate the soil to groundwater pathway west of Building 2-25. There is no historical groundwater data for arsenic in this area.

Arsenic (dissolved) was detected above the background-adjusted groundwater screening level in two A level samples from 2-31-DP-19 and 2-31-DP-20, at 8.4 and 9.2 µg/L, respectively. These locations are associated with evaluating the soil to groundwater pathway southeast of Building 2-22, as identified in the Work Plan.

Arsenic (dissolved) was detected above the background-adjusted groundwater screening level in an A level sample from 2-31-DP-17 at 44.8 µg/L. This location is associated with evaluating the soil to groundwater pathway north of Building 2-22, as identified in the Work Plan.

5.1.2 Cadmium

The scope of the data gap investigation for cadmium was based on historical information and data sets contained in the Plant 2 RCRA database at the time the Work Plan was written. At that time, cadmium had been analyzed for in 55 soil samples from the 2-31 Area and detected

in 21 of those samples. Of the samples where cadmium was detected, 13 were reported at concentrations greater than the 1.21 mg/kg soil screening level protective of surface water. The maximum concentration of 83.3 mg/kg was detected in a soil sample collected from 0.5 ft bgs at NS-02-31, at SWMU 2-31.18 (Area B Acid Waste Hold Tank).

During the 2-31 Area data gap investigation, cadmium was analyzed for in an additional 152 soil samples from 52 locations and was detected in 40 of those samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including cadmium. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The cadmium soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level of 1.21 mg/kg have been added to the soil concentration maps. A thorough discussion of the cadmium results before the data gap investigation is provided in the Work Plan; the following paragraphs provide a brief summary of the data gap investigation results for cadmium.

For the 40 data gap investigation samples in which cadmium was detected, concentrations ranged from 0.2 mg/kg to 104 mg/kg, six of which exceeded the soil screening level protective of surface water of 1.21 mg/kg. The maximum concentration (104 mg/kg) was detected in a sample from 9 to 10 ft bgs at probe 2-31-DP-08, in the southwest corner of the 2-31 Area. This concentration does not exceed the direct contact exposure pathway screening level of 667 mg/kg. Cadmium was also detected at 3.9 mg/kg in a sample from 4 to 5 ft bgs at this same location.

As identified in Section 2.4.1.2 of the Work Plan, addressing data gaps for cadmium in soil involves delineating cadmium concentrations laterally and vertically in soils near SMWU 2-31.18 (Area B Acid Waste Hold Tank) and on the west side of the south end of Building 2-31, adjacent to UST PL-57.

Soil samples collected from probes 2-31-DP-34 through 2-31-DP-39 were analyzed for cadmium to delineate the lateral and vertical extent of cadmium concentrations around SMWU 2-31.18. Cadmium was detected above the screening level in two of the 18 samples collected from these six probes. Cadmium was detected at 1.9 mg/kg in a sample from 4 to 5 ft bgs at 2-31-DP-35, north of SWMU 2-31.18, and at 2.9 mg/kg in a sample from 9 to 10 ft bgs at 2-31-DP-36, east of SWMU 2-31.18.

Soil samples from probes 2-31-DP-40 through 2-31-DP-42 were analyzed for cadmium to delineate its lateral and vertical extent on the west side of the south end of the Building 2-31, adjacent to UST PL-57. Cadmium was not detected above the screening level in any of the nine samples collected from these probes.

Cadmium was detected at concentrations above the screening level in two additional 2-31 Area data gap soil samples: one from 0 to 1 ft bgs in probes 2-31-DP-09 and the other from

2-31-DP-12, in the southwest corner of the 2-31 Area. Cadmium concentrations above the screening level in these samples were reported at 1.7 and 2.7 mg/kg, respectively.

Cadmium was not detected in any historical groundwater samples from the 2-31 Area, and therefore was not identified as a constituent of concern in groundwater. However, addressing data gaps for cadmium via the surface water pathway involves determining whether groundwater was impacted by cadmium in soils near SWMU 2-31.18 and near UST PL-57. The following paragraph summarizes groundwater sampling results as they related to cadmium soil data gaps identified in Section 2.4.1.2 of the Work Plan:

Cadmium (dissolved) was not detected at a concentration above the background adjusted groundwater screening level of 8.8 µg/L at sample locations identified in the Work Plan to evaluate the soil to surface water pathway around SWMU 2-31.18 and UST PL-57.

5.1.3 Copper

The scope of the data gap investigation for copper was based on historical information and data set contained in the Plant 2 RCRA database and screening levels at the time the Work Plan was written. At that time, copper had been analyzed for in 48 soil samples from the 2-31 Area and detected in all of them. Five were reported with concentrations greater than the 36.4 mg/kg soil screening level. The screening level is based on the natural background concentration of copper in the Puget Sound Basin (Ecology 1994). Copper concentrations above this soil screening level ranged from 40.1 to 428 mg/kg. The maximum concentration of 428 mg/kg was detected in a sample from 0.5 ft bgs at NS-03-31, at SWMU 2-31.18.

During the 2-31 Area data gap investigation, copper was analyzed for in 152 soil samples from 52 locations, and detected in all 152 samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples including copper. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of copper analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The copper soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level of 36.4 mg/kg have been added to the soil concentration maps. A thorough discussion of the copper results before the data gaps investigation is provided in the Work Plan; the following paragraph provides a brief summary of the data gap investigation results for copper.

Of the 152 detected concentrations of copper in the current data gap investigation data set, eight exceeded the soil screening level of 36.4 mg/kg. Copper concentrations in soil ranged from 2.7to 140 mg/kg. The maximum concentration, 140 mg/kg, was detected in a sample from 9 to 10 ft bgs at 2-31-DP-44, on the south side of Building 2-25. This concentration is below the direct contact exposure pathway screening level of 49,300 mg/kg. Copper was also detected at 49.8 mg/kg in a sample from 4 to 5 ft bgs at this same location.

As identified in Section 2.4.1.3 of the Work Plan, addressing data gaps for copper in soil consists of lateral and vertical delineation west and east of SMWU 2-31.18 (Area B Acid Waste Hold Tank) and south of SMWU 2-31.22 (Brush Plating Area). .

In the vicinity of SWMU 2-31.18, copper was detected in 24 samples collected from eight locations (2-31-DP-34 through 2-31-DP-41). Concentrations of copper in all 24 samples were reported at concentrations below the screening level.

Six soil samples from two locations, 2-31-DP-27 and 2-31-DP-48, were analyzed for copper to delineate the lateral and vertical extent in the western portion of Building 2-31 and around SWMU 2-31.22. Copper was detected above screening level in one sample from 9 to 10 ft bgs at 2-31-DP-48, southeast of SWMU 2-31.22. Copper was not detected above the screening level in any of the remaining five samples associated with this area.

Copper was detected at concentrations above the screening level in five additional 2-31 Area data gap soil samples located : north side of Building 2-22 (2-31-DP-17 and PL2-507C); southeast side of Building 2-22 east of UST PL-35 (2-31-DP-18); on the west side of Building 2-31 near AST APL-42 (2-31-DP-29); at the northeast corner of Building 2-31 (2-31-DP-47); on the east side of Building 2-31 and adjacent to SWMU 2-31.22 . Copper concentrations detected above the screening level at these locations ranged from 36.7 to 140 mg/kg.

Addressing data gaps for copper via the surface water pathway involves determining whether groundwater has been impacted by copper in soils near SWMU 2-31.18 and in the western portion of the Building 2-31 near SWMU 2-31.22. The following paragraphs summarize groundwater sampling results related to copper soil data gaps identified in Section 2.4.1.3 of the Work Plan:

Copper (dissolved) was not detected above the background adjusted groundwater screening level of 8.0 µg/L in ten A level samples, one B level sample, and one C level sample from eight direct-push probes (2-31-DP-34 through 2-31-DP-41) and one monitoring well (PL2-502A) identified in the Work Plan to evaluate the soil to groundwater pathway near SWMU 2-31.18. Copper was not detected in historical groundwater samples collected from this area.

Copper (dissolved) was not detected above the groundwater screening level in three A level samples from three probes (2-31-DP-25, 2-31-DP-27, and 2-31-DP-48) identified in the Work Plan to evaluate the soil to groundwater pathway in the western portion of Building 2-31 near SWMU 2-31.22. Copper was detected in two historical groundwater samples collected from this area in September 2002. Concentrations were 55 and 14 µg/L in samples from DP-3105 and DP-3106, respectively.

5.1.4 Mercury

The scope of the data gap investigation for mercury was based on historical information and data sets contained in the Plant 2 RCRA database and screening levels at the time the Work Plan was written. At that time, mercury had been analyzed in 46 soil samples from the 2-31 Area and detected in six. Five of those samples were reported with mercury concentrations greater than the 0.07 mg/kg soil screening level. The screening level is based

on the natural background concentration of mercury in the Puget Sound Basin (Ecology 1994). Concentrations of mercury detected above this screening level ranged from 0.1 to 0.17 mg/kg. The maximum concentration (0.17 mg/kg) was detected in two samples from 6 and 8 ft. bgs at a single location, SB-03112, near SWMU 2-31.18 (Area B Acid Waste Hold Tank).

During the 2-31 Area data gap investigation, mercury was analyzed in an additional 152 soil samples from 52 locations. Mercury was detected in 79 of those samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including mercury. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of mercury analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The mercury soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level of 0.07 mg/kg have been added to the soil concentration maps. A thorough discussion of historical mercury results before the data gap investigation is provided in the Work Plan; the following paragraph provides a brief summary of the data gap investigation results for mercury:

For the 79 data gap investigation samples in which mercury was detected, concentrations ranged from 0.02 to 1.54 mg/kg. Concentrations in ten of these samples exceeded the screening level of 0.07 mg/kg. The maximum concentration (1.54 mg/kg) was detected in a sample from 0 to 1 ft bgs at 2-31-DP-45, in the northeast portion of Building 2-25. This concentration is below both the direct contact exposure pathway screening level (41.9 mg/kg) and the area-specific air pathway screening level (2.57 mg/kg). Mercury was also detected above the screening level, at a concentration of 0.09 mg/kg, in a sample from 4 to 5 ft bgs at this same location.

As identified in Work Plan Section 2.4.1.4, addressing data gaps for mercury in soil consists of delineating mercury concentrations laterally and vertically near SMWU 2-31.18 (Area B Acid Waste Hold Tank), on the east side of Building 2-31 in the vicinity of SWMU 2-31.22 (Brush Plating Area) and SWMU 2-31.23 (Ammonium Persulfate Tank), and at the west side of Building 2-31 at AST APL-042. Soil samples from probes 2-31-DP-37 and 2-31-DP-39 were analyzed for mercury to delineate its lateral and vertical extent west of SWMU 2-31.18, to the west and southwest of SB-03112. Mercury was detected in two of the six samples from these two locations; both were reported at concentrations below the screening level. Mercury was detected above the screening level, at 0.08 mg/kg, in a sample from 9 to 10 ft bgs at 2-31-DP-36, a probe that was not specifically identified in the work plan to address this data gap for mercury in soil, but is located immediately east of SWMU 2-31.18

Soil samples from probes 2-31-DP-24 through 2-31-DP-27 and 2-31-DP-48 were analyzed for mercury to delineate the lateral and vertical extent of mercury on the east side of Building 2-31 in the vicinity of SWMU 2-31.22 and SWMU 2-31.23. Mercury was detected above the soil screening level in two of the fifteen samples collected from these five locations: at 0.18 mg/kg in a sample from 9 to 10 ft bgs at 2-31-DP-48, southeast of SWMU 2-31.22, and at 0.15 mg/kg in a sample from 9 to 10 ft bgs at 2-31-DP-27, to the southwest of SWMU 2-31.22.

Soil samples from probes 2-31-DP-03, 2-31-DP-28, 2-31-DP-29, and 2-31-DP-49 were analyzed for mercury to delineate the lateral and vertical extent of mercury at the west side of Building 2-31 near AST APL-042. Mercury was detected in six of the twelve samples from these four locations; all six concentrations were below the screening level protective of surface water, ranging from 0.02 to 0.05 mg/kg.

Mercury was detected at concentrations above the screening level in five additional soil samples collected from five locations: south of UST PL-13 (2-31-DP-02), in the western portion of Building 2-31 south of AST PLA (2-31-DP-06), in the northeast portion of Building 2-25 (2-31-DP-44 and 2-31-DP-46), and southeast of Building 2-28 (2-31-DP-47). Concentrations above the screening level ranged from 0.08 mg/kg to 0.16 mg/kg.

Addressing data gaps for mercury via the surface water pathway entails determining whether groundwater has been impacted by mercury in soils near SWMU 2-31.18, on the west side of Building 2-31, and on the east of the Building 2-31. The following paragraph summarizes groundwater sampling results related to mercury soil data gaps identified in Section 2.4.1.4 of the Work Plan.

Mercury (dissolved) was not detected above its background-adjusted screening level of 0.025 µg/L at sample locations identified in the Work Plan to evaluate the soil to groundwater pathway. Mercury was not detected in historical groundwater samples from near SWMU 2-31.18 or on the west side of Building 2-31. However, mercury was detected in a historical sample collected from DP-3105, on the east side of Building 2-31, in September 2002; the sample was reported at a mercury concentration of 0.1 µg/kg.

5.1.5 Nickel

The scope of the data gap investigation for nickel was based on historical information and data set contained in the Plant 2 RCRA database and screening levels at the time the Work Plan was written. At that time, nickel had been analyzed in 48 soil samples from the 2-31 Area and detected in all of them. Three of those samples were reported with nickel concentrations greater than the 47.8 mg/kg soil screening level. The screening level is based on the natural background concentration of nickel in the Puget Sound Basin (Ecology 1994). Concentrations of nickel detected above this screening level ranged from 130 to 373 mg/kg. The maximum concentration (373 mg/kg) was detected in a sample from 0.5 ft bgs at NS-02-31, near SWMU 2-31.18 (Area B Acid Waste Hold Tank).

During the 2-31 Area data gap investigation, nickel was analyzed in an additional 152 soil samples from 52 locations and was detected in all 152 samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including nickel. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of nickel analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The nickel soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are also provided in

Attachment F of this document. Isoconcentration contours representing the screening level of 47.8 mg/kg have been added to the soil concentration maps. A thorough discussion of historical nickel results before the data gap investigation is provided in the Work Plan, the following paragraph provides a brief summary of the data gap investigation results for nickel:

For the 152 data gap investigation samples in which nickel was detected, concentrations ranged from 3 to 38 mg/kg. None of the detected concentrations exceeded the screening level of 47.8 mg/kg. The maximum concentration (38 mg/kg) was detected in a sample from 0 to 1 ft. bgs at 2-31-DP-05, northwest of AST PLA-5. The concentration is below both the direct contact exposure pathway screening level (26,700 mg/kg).

As identified in Work Plan Section 2.4.1.5, addressing data gaps for nickel in soil consists of delineating nickel concentrations laterally and vertically near SMWU 2-31.18 (Area B Acid Waste Hold Tank) to the west and east of NS-10-31.

Soil samples from probes 2-31-DP-34 and 2-31-DP-41 were analyzed for nickel to delineate its lateral and vertical extent near SWMU 2-31.18, to the west and east of NS-10-31. Nickel was only detected below the screening level, at concentrations ranging from 6 to 37 mg/kg, in the 24 samples from these eight locations.

Addressing data gaps for nickel via the surface water pathway entails determining whether groundwater has been impacted by nickel in soils near SWMU 2-31.18. The following paragraph summarizes groundwater sampling results related to nickel soil data gaps identified in Section 2.4.1.5 of the Work Plan.

Nickel (dissolved) was detected above the background adjusted groundwater screening level of 8.2 µg/L in one C level sample from a direct-push probe (2-31-DP-39) southwest of SWMU 2-31.18; the concentration reported for this sample was 13 µg/L. Nickel was only detected below the screening level in both the A and B level samples from this location, and in the remaining eight (A level) samples from the nine locations identified in the Work Plan to evaluate the soil to groundwater pathway for nickel in this area. Nickel was not detected in historical groundwater samples from the area around SWMU 2-31.18.

5.1.6 Silver

The scope of the data gap investigation for silver was based on historical information and data set contained in the Plant 2 RCRA database and screening levels at the time the Work Plan was written. At that time, silver had been analyzed in 46 soil samples from the 2-31 Area and was detected in four, all of which were reported at concentrations greater than the 0.323 mg/kg soil screening level, ranging from 0.6 to 0.9 mg/kg. The maximum concentration (0.9 mg/kg) was detected in a sample from 10.5 ft bgs at DP-3101, northeast of SWMU 2-31.18 (Area B Acid Waste Hold Tank).

During the 2-31 Area data gap investigation, silver was analyzed in an additional 152 soil samples from 52 locations and was detected in six of those samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including silver.

Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of silver analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The silver soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level of 0.323 mg/kg have been added to the soil concentration maps. A thorough discussion of historical silver results before the data gap investigation is provided in the Work Plan; the following paragraphs provide a brief summary of the data gap investigation results for silver:

For the six data gap investigation samples in which silver was detected, concentrations ranged from 0.4 to 7.8 mg/kg, all of which exceeded the screening level of 0.323 mg/kg. The maximum concentration (7.8 mg/kg) was detected in a sample from 0 to 1 ft. bgs at 2-31-DP-50, near the west corner of Building 2-41. This concentration is below both the direct contact exposure pathway screening level (6,670 mg/kg).

As identified in Work Plan Section 2.4.1.6, addressing data gaps for silver in soil consists of delineating silver concentrations laterally and vertically near SMWU 2-31.18 (Area B Acid Waste Hold Tank); laterally on the east side of Building 2-31, southeast of SWMU 2-31.22 (Brush Plating Area); and laterally on the northeast side of Building 2-31. In addition, further evaluation of the extent of silver in soil and the soil to groundwater pathway throughout the 2-31 Area was required to address non-detect results with RLs above the screening level protective of surface water, as identified in the Work Plan. Specifically, the RLs for silver were slightly elevated for historical samples from near SWMU 2-31.18, the west side of Building 2-31, near SWMU 2-31.22 and SWMU 2-31.23, and in and north of Building 2-22.

Soil samples from probes 2-31-DP-35 through 2-31-DP-39 were analyzed for silver to delineate its lateral and vertical extent near SWMU 2-31.18. Silver was not detected in any of the 15 samples from these five locations. The RL for five of these samples slightly exceeded the screening level protective of surface water, at 0.4 mg/kg.

Soil samples from probes 2-31-DP-24 and 2-31-DP-48 were analyzed for silver to delineate its lateral extent on the east side of Building 2-31, southeast of SWMU 2-31.22. Silver was not detected in any of the six samples from these two locations. The RL for three of these samples, 0.4 mg/kg, slightly exceeded the screening level.

Soil samples from probes 2-31-DP-15, 2-31-DP-30, and 2-31-DP-47 were analyzed for silver to delineate its lateral extent on the northeast side of Building 2-31. Silver was detected above the screening level in two samples, from 0 to 1 and 4 to 5 ft bgs (0.7 and 1.2 mg/kg, respectively), at the same location, 2-31-DP-47, in between Buildings 2-28 and 2-31. Silver was not detected in the remaining three samples from these locations; however, the RL for these samples, 0.4 mg/kg, slightly exceeded the screening level.

Silver was detected above the screening level in three additional 2-31 Area data gap soil samples from three locations: north of UST PL-36 (2-31-DP-01), south of UST PL-13

(2-31-DP-02), and near the west corner of Building 2-41 (2-31-DP-09). Concentrations in these samples ranged from 0.4 to 7.8 mg/kg.

Silver was analyzed in 152 soil samples from 52 locations across the 2-31 area to evaluate the soil and soil to groundwater pathway and achieve the target RLs below the screening level protective of surface water. RLs were achieved for 106 of 146 non-detects, and slightly exceeded the screening level (0.4 to 0.5 mg/kg) in 40 samples. The 40 samples in which the RLs exceeded the soil screening level protective of surface water were scattered throughout the 2-31 Area. However, for most of these locations, silver was not detected, at RLs below the screening level, in one or more samples from other depth interval(s).

Silver was not detected in historical groundwater samples, and therefore was not identified as a constituent of concern in groundwater for the 2-31 Area. However, addressing data gaps for silver via the surface water pathway entails determining whether groundwater has been impacted by silver in soils in the SWMU 2-31.18 area, on the east side of Building 2-31 near SWMU 2-31.22, and in the northeast corner of Building 2-31. The following paragraph summarizes groundwater sampling results related to silver soil data gaps identified in Section 2.4.1.6 of the Work Plan.

Silver (dissolved) was not detected above the groundwater screening level of 1.9 µg/L at sample locations identified in the Work Plan to evaluate the soil to groundwater pathway for silver in this area.

5.1.7 Thallium

Thallium was not identified as a 2-31 Area soil COC prior to the data gap investigation however, it was previously analyzed in 39 soil samples from the 2-31 Area and not detected in any sample.

During the 2-31 Area data gap investigation, thallium was analyzed in an additional 152 soil samples from 52 locations and was detected in one sample. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including thallium. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of thallium analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. Soil concentration maps presenting historical and data gap investigation data with isoconcentration contours representing the screening level of 0.669 mg/kg also are provided in Attachment F. The following paragraphs provide a brief summary of the data gap investigation results for thallium:

Thallium was detected at a concentration above the screening level, at 2.9 mg/kg, in a sample from 0 to 1 ft bgs at 2-31-DP-08, near the southwest corner of the 2-31 Area. This concentration is below the direct contact exposure pathway screening level of 86.4 mg/kg.

There were no data gaps identified for thallium in the Work Plan because it was not identified as a 2-31 Area soil COC.

Thallium was not detected in either historical or data gap investigation groundwater samples collected in the 2-31 Area.

5.1.8 Zinc

The scope of the data gap investigation for zinc was based on historical information and data sets contained in the Plant 2 RCRA database and screening levels at the time the Work Plan was written. At that time, zinc had been analyzed in 48 soil samples from 2-31 Area and was detected in all of those samples. Five of the 48 samples were reported at concentrations greater than the 101 mg/kg soil screening level protective of surface water. Zinc concentrations above this soil screening level ranged from 110 to 823 mg/kg. The maximum concentration (823 mg/kg) was detected in a sample from 0.5 ft bgs at NS-07-31, near UST PL-57

During the 2-31 Area data gap investigation, zinc was analyzed in an additional 152 soil samples collected from 52 locations, and was detected in all of the samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including zinc. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The zinc soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are provided in Attachment F of this document. Isoconcentration contours representing the screening level of 101 mg/kg have been added to the soil concentration maps. A thorough discussion of historical zinc results before the data gap investigation is provided in the Work Plan; the following paragraphs provide a brief summary of the data gap investigation results for zinc.

Of the 152 detected concentrations of zinc in the current data gap investigation data set, nine exceeded the soil screening level protective of surface water of 101 mg/kg. Zinc concentrations exceeding the screening level ranged from 103 mg/kg to 671 mg/kg. The maximum concentration of zinc in soil (671 mg/kg) was detected in a sample from 9 to 10 ft bgs at 2-31-DP-44, in the eastern portion of Building 2-25, and is below the direct contact exposure pathway screening level of 40,000 mg/kg. Zinc was also detected at 202 mg/kg in a sample from 4 to 5 ft bgs at this same location.

As identified in Section 2.4.1.7 of the Work Plan, addressing data gaps for zinc in soil involves delineating zinc concentrations laterally to the northeast, west, and southwest of SMWU 2-31.18 (Area B Acid Waste Hold Tank); and laterally and vertically on the south side of Building 2-31, near UST PL-57.

Soil samples from probes 2-31-DP-35 through 2-31-DP-39 were analyzed for zinc to delineate its lateral and vertical extent around SWMU 2-31.18. Zinc was not detected at concentrations above the screening level in samples from these probe locations. Concentrations of zinc in these 15 samples ranged from 19 to 63 mg/kg.

Soil samples from probes 2-31-DP-40 through 2-31-DP-42 were analyzed for zinc to delineate the lateral and vertical extent of on the south side of Building 2-31, near UST PL-57. Zinc was not detected at concentrations above the screening level in samples from these probe locations. Concentrations of zinc in these nine samples ranged from 17 to 54 mg/kg.

Zinc was detected at concentrations above the screening level in seven additional 2-31 Area data gap soil samples collected from five locations: south of UST PL-13 (2-31-DP-02), near the west corner of Building 2-41 (2-31-DP-12), north of Building 2-22 (2-31-DP-17), in the western portion of the Building 2-31 near SWMU 2-31.22 (2-31-DP-27), and in the eastern part of Building 2-25 (2-31-DP-46). Concentrations in these samples ranged from 103 to 230 mg/kg.

Addressing data gaps for zinc via the surface water pathway also involves determining whether groundwater has been impacted by zinc in soils in the SWMU 2-31.18 area and south of Building 2-31 near UST PL-57. Zinc was not detected above the screening level in historical groundwater data for the 2-31 Area. Historically the highest concentration of zinc detected in the 2-31 Area groundwater prior to the data gap investigation was 13 µg/L at DP-3105 in the western portion of Building 2-31. Zinc was added as a groundwater COC based on data gap investigation results. The following paragraphs summarize groundwater sampling results as related to zinc soil data gaps identified in Section 2.4.1.7 of the Work Plan:

Zinc (dissolved) was not detected in groundwater above its screening level for the protection of surface water (81 µg/L) in five A level samples, one B level sample, and one C level sample from five locations identified in the Work Plan to evaluate the soil to groundwater pathway for zinc in the SWMU 2-31.18 area.

Zinc (dissolved) was not detected above its screening level for the protection of surface water (81 µg/L) in three A level groundwater samples from three locations identified in the Work Plan to evaluate the soil to groundwater pathway for zinc south of Building 2-31 near UST PL-57.

5.1.9 Cyanide

The scope of the data gap investigation for cyanide was based on historical information and data sets contained in the Plant 2 RCRA database and screening levels at the time the Work Plan was written. At that time, cyanide had been analyzed in 22 soil samples from 2-31 Area and was detected in two. One of these samples was reported at a concentration above the 0.2 mg/kg soil screening level protective of surface water; cyanide was detected at 0.31 mg/kg in a sample from 10 to 10.5 ft bgs at SW-01, on the north side of Building 2-22 adjacent to the East Marginal Way South right of way.

During the 2-31 Area data gap investigation, cyanide was analyzed in an additional 60 soil samples from 20 locations, and was detected in seven samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including cyanide. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The cyanide soil concentration maps

presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are provided in Attachment F of this document. Isoconcentration contours representing the screening level of 0.2 mg/kg have been added to the soil concentration maps. A thorough discussion of historical cyanide results before the data gap investigation is provided in the Work Plan; the following paragraphs provide a brief summary of the data gap investigation results for cyanide.

Of the seven detected concentrations of cyanide in the current data gap investigation data set, one exceeded the soil screening level protective of surface water of 0.2 mg/kg. Cyanide was detected at 0.324 mg/kg in a sample from 9 to 10 ft bgs at 2-31-DP-13, on the north side of Building 2-22 adjacent to the East Marginal Way South. This concentration is below the direct contact exposure pathway screening level of 26,700 mg/kg.

As identified in Section 2.4.1.8 of the Work Plan, addressing data gaps for cyanide in soil involves delineating cyanide laterally and vertically on the north side of Building 2-22 adjacent to East Marginal Way South. In addition, further evaluation of the extent of cyanide in soil and the soil to groundwater pathway, specifically in the central portion of Building 2-31, was required to address non-detect results with RLs above the screening level protective of surface water, as identified in the Work Plan.

Soil samples from probes 2-31-DP-13, 2-31-DP-14, and 2-31-DP-17, as well as boreholes for wells PL2-507B and PL2-507C were analyzed for cyanide to delineate the lateral and vertical extent on the north side of Building 2-22. Cyanide was detected above the screening level in one of 15 samples from these five locations. As mentioned above, cyanide was detected at a concentration of 0.324 mg/kg in the sample from 9 to 10 ft bgs at 2-31-DP-13, adjacent to East Marginal Way South and north of SW-01. Cyanide was detected at concentrations below the screening level in samples from 4 to 5 ft bgs at 2-31-DP-17 and from 9 to 10 ft bgs at PL2-507C; cyanide was not detected, at RLs ranging from 0.048 to 0.069 mg/kg, in the remaining 12 samples from these locations.

Soil samples from eight probes (2-31-DP-03, 2-31-DP-24, 2-31-DP-25, 2-31-DP-27 through 2-31-DP-29, 2-31-DP-48 and 2-31-DP-49) were analyzed to address elevated RLs for cyanide and complete delineation in the central portion of Building 2-31, as identified in the Work Plan. Cyanide was detected at concentrations below the screening level in two samples, and was not detected in the remaining 22 samples, at RLs well below the screening level (0.048 to 0.069 mg/kg). In general, cyanide RLs for all non-detect data gap samples were well below the screening level protective of surface water.

Addressing data gaps for cyanide via the surface water pathway also involves determining whether groundwater has been impacted by cyanide in soils on the north side of Building 2-22, and whether elevated cyanide RLs in historic soil data are indicative of cyanide impacts to groundwater in the central portion of Building 2-31. The following paragraphs summarize groundwater sampling results as related to cyanide soil data gaps identified in Section 2.4.1.8 of the Work Plan:

Cyanide (total or WAD) was not detected at concentrations above its screening level for the protection of surface water (5 µg/L) in four A level groundwater samples from four locations

identified in the Work Plan to evaluate the soil to groundwater pathway for cyanide on the north side of Building 2-22. Cyanide was detected in one historical groundwater sample from this area; a concentration of 15 µg/kg was reported for a sample collected from SW-01 in September 2002.

Based on elevated RLs in historic soil data, cyanide was analyzed in groundwater samples from nine locations in the central portion of Building 2-31. Cyanide (total) was detected at concentrations above the screening level in two of the ten groundwater samples from these locations. The results are discussed in Section 3.1.9. However, target RLs were met for cyanide for all data gap groundwater samples.

5.2 SEMIVOLATILE ORGANIC COMPOUNDS AND POLYCHLORINATED BIPHENYLS

Soil samples for the 2-31 Area data gap investigation were analyzed for SVOCs and PCBs in accordance with Table 2-2 in the Work Plan. Using both historical data and data gap investigation results, all site-wide SVOC and PCB soil COCs were screened to determine which site-wide constituents were soil COCs for the 2-31 Area, as described in Section 2.4 of the Work Plan. As a result of the 2-31 Area data gap investigation, three cPAHs were identified that had not previously been detected at concentrations above screening levels in 2-31 Area soil samples: benzo(a)pyrene, benzo(b)fluoranthene, and benzo(k)fluoranthene have been identified as a new 2-31 Area specific soil COCs. The revised area specific soil COC list (See Attachment F, Table F-2) comprises total PCBs, two Aaroclors (Aroclors 1254 and 1260), and five carcinogenic polycyclic aromatic hydrocarbons [cPAHs]). The following SVOCs and PCBs are COCs in soil for the 2-31 Area:

Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Aroclor 1260
Benzo(a)pyrene	Benzo(k)fluoranthene	Aroclor 1254	Total PCBs

The SVOC and PCB data generated by the 2-31 Area data gap investigation are summarized in Sections 5.2.1 and 5.2.2 below. A number of the data gaps identified for SVOCs and PCBs in Section 2.4 of the Work Plan involved determining whether the soil to groundwater pathway is currently complete. The definition of a complete soil to groundwater pathway is provided in Section 2.1 of the Work Plan.

5.2.1 Carcinogenic Polycyclic Aromatic Hydrocarbons

The scope of the data gap investigation for cPAHs was based on historical information and data sets contained in the Plant 2 RCRA database and screening levels at the time the Work Plan was written. At that time, SVOCs, which includes the cPAH constituents, had been analyzed in 27 soil samples from the 2-31 Area. One or more of the original two cPAHs were detected at concentrations above screening levels in two of the 27 samples. Prior to the 2-31 Area data gap investigation, the cPAH constituent detected at the maximum concentration was chrysene at 68 µg/kg.

During the 2-31 Area data gap investigation, cPAHs were analyzed in an additional 30 soil samples collected from 10 locations. cPAHs were detected in 11 of those samples. Of those samples where cPAHs were detected, three samples were reported with concentrations of cPAHs greater than their respective soil screening levels. The cPAH detected at the maximum concentration was benzo(b)fluoranthene at 190 µg/kg in a sample collected from 0 to 1 ft bgs at PL2-507C, on the north side of Building 2-22. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples including cPAHs. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of analytical results for the five cPAHs that are soil COCs for the 2-31 Area (benzo(a)anthracene benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene) for all historical and data gap investigation samples presenting locations, concentrations, and depths. Soil concentration maps presenting historical and data gap investigation data for the individual cPAH COCs with isoconcentration contours representing their respective screening levels are also provided in Attachment F. A thorough discussion of historical cPAHs results before the data gap investigation are provided in the Work Plan; the following paragraphs provide a brief summary of the data gap investigation results for cPAHs:

As identified in Section 2.4.2.1 of the Work Plan, addressing data gaps for cPAHs in soil and via the surface water pathway involves completing lateral and vertical delineation near SWMU 2-31.18 Area B (Acid Waste Hold Tank), and on the north side of Building 2-22.

In every sample where a cPAH other than chrysene was detected at a concentration above its screening level, chrysene was also detected at a concentration above its screening level. Therefore, the pathway evaluation for cPAHs will be conducted using chrysene as an indicator for the entire group. Chrysene concentrations exceeded the soil screening level protective of surface water (46.6 µg/kg) in three of the 11 samples in which it was detected. Concentrations in these samples ranged from 66 to 170 µg/kg. Chrysene was not detected at concentrations above the direct contact screening level (3,420 µg/kg).

Four data gap probes (2-31-DP-38 through 2-31-DP-41) were sampled for lateral and vertical delineation of cPAHs around SWMU 2-31.18. Chrysene was not detected at concentrations exceeding the screening level in any of the 12 samples from these locations.

Soil samples from probes 2-31-DP-13, 2-31-DP-14, and 2-31-DP-17, and wells PL2-507B and PL2-507C were analyzed for cPAHs to delineate the lateral and vertical extent of cPAHs north of Building 2-22. cPAHs were detected at concentrations above the screening level in three of the 15 samples from these five locations. Chrysene was detected at 170 µg/kg in two samples: from 0 to 1 ft at PL2-507B and from the same depth interval at the borehole for PL2-507C. Chrysene was also detected at a concentration of 66 µg/kg in the sample from 4 to 5 ft bgs in the borehole for well PL2-507C.

Addressing data gaps for cPAHs via the surface water pathway also involves determining whether groundwater has been impacted by cPAHs in soils in the vicinity of SWMU 2-31.18 and to the north of Building 2-22. cPAHs were not detected in any historical groundwater samples collected in the vicinity of SWMU 2-31.18 and to the north of Building 2-22. The following

paragraph summarizes groundwater sampling results related to cPAHs soil data gaps identified in Section 2.4.2.1 of the Work Plan:

cPAHs were not detected at concentrations above their respective screening levels in any groundwater samples collected during the 2-31 Area data gap investigation.

5.2.2 Polychlorinated Biphenyls

The scope of the data gap investigation for PCBs was based on historical information and data set contained in the Plant 2 RCRA database and screening levels at the time the Work Plan was written. PCBs are reported as the sum of all Aroclors detected. At that time, PCBs, reported as Aroclors, had been analyzed in 30 soil samples from the 2-31 Area. Of those samples where PCBs were detected, six were reported at concentrations greater than the 33 µg/kg soil screening level. The soil screening level is set equal to the laboratory's RL for Aroclors. The concentrations of PCBs detected above this soil screening level ranged from 39 to 1,300 µg/kg. The maximum concentration of 1300 µg/kg was detected in the sample from 6.0 ft bgs at SB-03112 near SWMU 2-31.18 (Area B Acid Waste Hold Tank).

During the 2-31 Area data gap investigation, PCBs were analyzed in an additional 50 soil samples collected from 18 locations. PCBs were detected in 13 of those samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples, including PCBs. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides tables for individual Aroclors' analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. Total PCBs soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised total PCB soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level of 33 µg/kg have been added to the soil concentration maps. A thorough discussion of historical PCBs results before the data gaps investigation is provided in the Work Plan; the following paragraphs provide a brief summary of the data gap investigation results for PCBs:

Nine individual Aroclors were analyzed for and two individual Aroclors were detected. Aroclor 1254 was detected in one sample and Aroclor 1260 was detected in 12 samples. The total PCB concentration for a single sample is the sum of the individual Aroclor results reported for that sample.

Of the 12 samples in which PCBs were detected, concentrations ranged from 11 µg/kg to 1,430 µg/kg. The maximum concentration of 1,430 µg/kg was detected in a sample from probe 2-31-DP-45 at 9 to 10 ft bgs.

The maximum concentration of total PCBs in soil for the data gap investigation of 1,430 µg/kg, which exceeds the overall historical maximum concentration (1,300 µg/kg) of total PCBs detected in 2-31 Area soil. Individual Aroclor concentrations were all below their respective direct contact exposure pathway screening levels, where applicable.

As identified in Section 2.4.2.2 of the Work Plan, addressing data gaps for PCBs in soil involves evaluating concentrations in the SWMU 2-31.18 (Area B Acid Waste Hold Tank), Building 2-25 Atrium and the area North of Building 2-22, Building 2-31 and Building 2-22. PCB concentrations in SWMU 2-31.18, Building 2-31 and Building 2-22 will be evaluated with respect to historical elevated RLs.

Soil samples collected from probes 2-31-DP-36 through 2-31-DP-39 near SWMU 2-31.18 were analyzed for PCBs to evaluate elevated RLs with respect to historical non-detect results. Twelve samples were collected from the four probe locations. PCBs were detected in only one sample, collected from 4 to 5 ft bgs at 2-31-DP-37, at a concentration of 67 µg/kg. The RLs for the remaining samples in which PCBs were not detected ranged from 31 to 33 µg/kg.

Soil samples were collected from three probe locations in the Building 2-25 Atrium to delineate the vertical and horizontal extent of PCBs detected at historical sample location SW-03. Nine samples were collected from the three probe locations (2-31-DP-44 through 2-31-DP-46). PCBs were detected in seven of nine samples collected from these probes, concentrations of the PCB detections ranged from 48 to 1,430 µg/kg.

Soil samples were collected from three probe sample locations (2-31-DP-13, 2-31-DP-14 and 2-31-DP-17) and from boreholes for two monitoring well (PL2-507B and PL2-507C) borings in North of Building 2-22 to delineate the vertical and horizontal extent of PCBs detected at historical sample SW-01. Fifteen samples were collected from the five locations. PCBs were not detected in any of the fifteen samples collected from these locations. RLs for these samples ranged from 30 to 33 µg/kg.

Soil samples were collected from six probe sample locations (2-31-DP-05, 2-31-DP-15, 2-31-DP-28, 2-31-DP-30, 2-31-DP-31 and 2-31-DP-47) associated with Building 2-31 to better delineate the extent of PCBs and evaluate whether PCBs have impacted groundwater. Fourteen samples were collected from the six probe locations. PCBs were only detected in one of 14 samples collected from these probes. PCBs were detected in the 0-1 ft bgs sample from 2-31-DP-47 at a concentration of 36 µg/kg. The RLs for the remaining samples in which PCBs were not detected ranged from 30 to 33 µg/kg.

Soil samples were collected from one probe sample location (2-31-DP-50) associated with Building 2-22 to evaluate whether PCBs have impacted groundwater near SW-02. Three samples were collected from this probe location and all three samples were non-detect for PCBs. The RLs for the samples ranged from 30 to 32 µg/kg. However, PCBs were detected at a concentration of 0.19 µg/L, which is above the groundwater screening level (0.01 µg/L) in the groundwater sample from this location.

PCBs were detected at concentrations above the screening level in three additional samples collected from one 2-31 Area data gap sample location. PCBs were detected in soil from 0-1 to 9 to 10 ft bgs at 2-31-DP-08. The Sample location is located on the northside of the South Park Bridge. Concentrations in these samples ranged from 11 to 190 mg/kg.

Addressing data gaps for PCBs via the soil to groundwater pathway, as identified in Section 2.4.2.2 of the Work Plan, involves determining whether groundwater has been impacted by

PCBs in soil near SWMU 2-31.18, in the atrium area of Building 2-25 and to the north of Building 2-22. PCBs were not detected in historical groundwater samples from the 2-31 Area, and were added as a groundwater COC based on data gap investigation results. The following paragraphs summarize groundwater sampling results related to PCBs soil data gaps identified in Section 2.4.2.2 of the Work Plan:

PCBs were not detected at concentrations above the groundwater screening level (0.01 µg/L) in six A level samples from four direct-push probes (2-31-DP-36 through 2-31-DP-39) and monitoring well PL2-502A identified in the Work Plan to evaluate the soil to groundwater pathway near SWMU 2-31.18.

PCBs were detected at concentrations above the groundwater screening level (0.01 µg/L) in two A level samples from three direct-push probes (2-31-DP-44 through 2-31-DP-46) in the 2-25 Building atrium. PCB concentrations detected in samples from 2-31-DP-44 and 2-31-DP-45 were reported at 0.031 and 0.069 µg/L, respectively.

PCBs were not detected at concentrations above the groundwater screening level in five A level samples from three direct-push probes (2-31-DP-13, 2-31-DP-14 and 2-31-DP-17) and monitoring well PL2-507A (including a duplicate) identified in the Work Plan to evaluate the soil to groundwater pathway north of Building 2-22.

5.3 VOLATILE ORGANIC COMPOUNDS

For the 2-31 Area data gap investigation, soil samples were analyzed for VOCs in accordance with Table 2-2 of the Work Plan. Using both historical data and 2-31 Area data gap investigation results, all site-wide VOC soil COCs were screened to determine which site-wide constituents were soil COCs for the 2-31 Area, as described in Section 2.4 of the Work Plan. The resulting soil COC list is identical to that presented in Section 2.4.4 of the Work Plan. The following two VOCs are COCs in soil for the 2-31 Area:

Trichloroethene Vinyl Chloride

The VOC data generated by the data gap investigation is summarized in Sections 5.3.1 and 5.3.2 below. Discussion of results will be presented respective of the site-specific air pathway screening levels presented in Volume II Attachment C, as applicable. A number of the data gaps identified for VOCs in Section 2.4 of the Work Plan involved evaluating whether the soil to groundwater pathway is currently complete. The definition of a complete soil to groundwater pathway is provided in Section 2.1 of the Work Plan.

5.3.1 Trichloroethene

The scope of the data gap investigation for trichloroethene was based on historical information and data set contained in the Plant 2 RCRA database at the time the Work Plan was written. At that time, trichloroethene had been analyzed for in 53 soil samples from the 2-31 Area and was detected in 13 of those samples. Twelve of the 13 detected concentrations exceeded the soil screening level protective of surface water (2.0 µg/kg). Concentrations of trichloroethene above the soil screening level ranged from 7.6 µg/kg to 16,000 µg/kg. The maximum concentration

(16,000 µg/kg) was detected in a sample from 1.5 ft bgs at SB-03103, near AOC 2-31.21 (TCE Degreaser).

During the 2-31 Area data gap investigation, trichloroethene was analyzed for in an additional 214 soil samples collected from 52 locations. Trichloroethene was detected in 70 of those samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap samples including trichloroethene. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a tables of trichloroethene analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The trichloroethene soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level of 2.0 µg/kg have been added to the soil concentration maps. A thorough discussion of historical trichloroethene results before the data gap investigation is provided in the Work Plan; the following paragraph provides a brief summary of the data gap investigation results for trichloroethene.

Of the 72 detected concentrations of trichloroethene in the current data gap investigation data set, 61 exceeded the soil screening level protective of surface water (2.0 µg/kg). Concentrations of 19 of the 72 detected concentrations also exceed the air pathway screening level (36.0 µg/kg). The maximum concentration of trichloroethene was 2,100 µg/kg in the sample from 9 to 10 ft bgs at 2-31-DP-07, on the west side of Building 2-31's transportation aisle. This concentration is below the direct contact exposure pathway screening level of 136,000 µg/kg, but exceeds the air pathway screening level of 36.0 µg/kg.

As identified in Section 2.4.3.1 of the Work Plan, addressing data gaps for trichloroethene in soil involves delineating trichloroethene concentrations laterally south of UST PL-56 near DP-4132; and laterally and vertically in the area of AOC 2-31.21 (TCE Degreaser).

Soil samples from probe 2-31-DP-43 were analyzed for trichloroethene to delineate its lateral extent south of PL-56 and north of DP-4132. Trichloroethene was detected at concentrations above the screening level in all three samples and a duplicate from this probe location. Concentrations of trichloroethene in these four samples ranged from 2.3 to 10.0 µg/kg and decreased with depth.

Soil samples from probes 2-31-DP-03, 2-31-DP-04, 2-31-DP-26, 2-31-DP-28, 2-31-DP-31, 2-31-DP-32 and 2-31-DP-33 were analyzed for trichloroethene to delineate the lateral and vertical in the area of AOC 2-31.21 (TCE Degreaser). Trichloroethene was detected at all seven locations and in 20 of 25 samples. Detected concentrations ranged from 2.8 to 2,000 µg/kg.

Trichloroethene was detected at concentrations above the screening level protective of surface water (2.0 µg/kg) at 20 additional 2-31 Area data gap soil sample locations. Trichloroethene was detected in 41 samples (including QA/QC samples) located on the west half of the 2-31 Area. Concentrations detected above the screening level ranged from 2.2 to 2,100 µg/kg in

these samples. Trichloroethene was not detected above the screening level on the east half of the 2-31 Area.

Addressing data gaps for trichloroethene via the soil to groundwater pathway, as identified in Section 2.4.3.1 of the Work Plan, involves determining whether groundwater has been impacted by trichloroethene in soil south of UST PL-56 and near AOC 2-31.21. The following paragraphs summarize groundwater sampling results related to trichloroethene soil data gaps identified in Section 2.4.3.1 of the Work Plan:

Trichloroethene was detected at a concentration of 2.9 µg/L in the A level sample from 2-31-DP-43. This concentration is above the groundwater screening level of 0.302 µg/L. This location was identified in the Work Plan to evaluate the soil to groundwater pathway for trichloroethene south of UST PL-56.

Trichloroethene was detected at concentrations above the groundwater screening level of 0.302 µg/L in two A level samples from seven direct-push probes (2-31-DP-03, 2-31-DP-04, 2-31-DP-26, 2-31-DP-28 and 2-31-DP-31 through 2-31-DP-33) and in samples from monitoring wells PL2-501A and PL2-509A. Trichloroethene was detected at a concentration of 0.4 µg/L in samples from both 2-31-DP-33 and monitoring well PL2-509A. These locations were identified in the Work Plan to evaluate the soil to groundwater pathway for trichloroethene near AOC 2-31.21.

5.3.2 Vinyl Chloride

The scope of the data gap investigation for vinyl chloride was based on historical information and data set contained in the Plant 2 RCRA database at the time the Work Plan was written. At that time, vinyl chloride had been analyzed for in 53 soil samples from the 2-31 Area and was detected in five of those samples. All five concentrations exceeded the soil screening level protective of surface water of 4.59 µg/kg. Concentrations of vinyl chloride above the soil screening level ranged from 5.1 µg/kg to 77 µg/kg. The maximum concentration of 77 µg/kg was detected in the sample from 9 to 10 ft bgs at 2-31-DP-07, on the west side of Building 2-31's transportation aisle. This concentration is below both the direct contact exposure pathway screening level of 49,700 µg/kg and air pathway screening level of 331 µg/kg.

During the 2-31 Area data gap investigation, vinyl chloride was analyzed for in an additional 170 soil samples collected from 52 locations. Vinyl chloride was detected in 15 of those samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples including vinyl chloride. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a tables of vinyl chloride analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The vinyl chloride soil concentration maps presented in Attachment B of the Work Plan were revised to include the data gap investigation results. The revised soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level of 4.59 µg/kg have been added to the soil concentration maps. A thorough discussion of historical vinyl chloride results before the data gap investigation is provided in the Work Plan; the

following paragraphs provide a brief summary of the data gap investigation results for vinyl chloride.

As identified in Section 2.4.3.2 of the Work Plan, addressing data gaps for vinyl chloride involves delineating vinyl chloride laterally in soils at DP-3101 near SWMU 2-31.18 (Area B Acid Waste Hold Tank), and laterally and vertically near AOC 2-31.21 (TCE Degreaser).

Four probe locations were sampled to delineate vinyl chloride to the northeast, north, and southwest of SWMU 2-31.18 (Area B Acid Waste Hold Tank). Vinyl chloride was detected in the 9 to 10 ft samples at each of the four locations. Concentrations exceeded the screening level in two probe samples to the north and northeast of this SWMU. The detected concentrations of vinyl chloride ranged from 1.7 to 5.9 µg/kg.

Seven probe locations were sampled to delineate vinyl chloride to the near AOC 2-31.21. Vinyl chloride was detected in the 9 to 10 ft samples at four locations (2-31-DP-03, 2-31-DP-04, 2-31-DP-26 and 2-31-DP-31. Concentrations only exceeded the screening level at 2-31-DP-03. The detected concentrations of vinyl chloride ranged from 1.5 to 13 µg/kg.

Vinyl chloride was detected at concentrations above the screening level in three additional 2-31 Area data gap soil samples collected from two probe locations (2-31-DP-05 and 2-31-DP-07). Both of these locations are located approximately 120 west of AOC 2-31.21. Concentrations in these samples ranged from 8.3 to 77 µg/kg.

Addressing data gaps for vinyl chloride via the surface water pathway involves evaluating whether groundwater has been impacted by vinyl chloride in soils at SWMU 2-31.18 (Area B Acid Waste Hold Tank), and AOC 2-31.21 (TCE Degreaser). The following summarizes groundwater sampling results related to vinyl chloride soil data gaps identified in Section 2.4.3.2 of the Work Plan.

Vinyl chloride was detected at concentrations above the groundwater screening level of 0.731 µg/L in two A level samples from four direct-push probes (2-31-DP-34 through 2-31-DP-37). Vinyl chloride was detected at concentrations of 1.4 and 2.6 µg/L at 2-31-DP-34 and 2-31-DP-37, respectively. These locations were identified in the Work Plan to evaluate the soil to groundwater pathway near SWMU 2-31.81.

Vinyl chloride was detected at concentrations above the groundwater screening level in four A level samples from nine direct-push probes (2-31-DP-03, 2-31-DP-04, 2-31-DP-26, 2-31-DP-28 and 2-31-DP-31 through 2-31-DP-33) and two monitoring wells (PL2-501A and PL2-509A). Vinyl chloride was detected at concentrations of 0.8, 1.2, and 1.5 µg/L in samples from 2-31-DP-26, 2-31-DP-31 and monitoring well PL2-509A, respectively. These locations were identified in the Work Plan to evaluate the soil to groundwater pathway near AOC 2-31.21.

5.4 PETROLEUM HYDROCARBONS

For the 2-31 Area data gap investigation, soil samples were analyzed for petroleum hydrocarbons in accordance with Table 2-2 of the Work Plan. Using both historical data and 2-31 Area data gap investigation results, all site-wide petroleum hydrocarbons soil COCs were

screened to determine which site-wide constituents were soil COCs for the 2-31 Area, as described in Section 2.4 of the Work Plan. Based on results from the 2-31 data gap investigation the resulting soil COC list is identical to that presented in Section 2.4.4 of the Work Plan. Diesel–range petroleum hydrocarbons is the only petroleum hydrocarbon COC.

The petroleum hydrocarbon data generated by the data gap investigation is summarized in Sections 5.4.1. A number of the data gaps identified for petroleum hydrocarbons in Section 2.4 of the Work Plan involved evaluating whether the soil to groundwater pathway is currently complete. The definition of a complete soil to groundwater pathway is provided in Section 2.1 of the Work Plan.

Petroleum hydrocarbons had previously been analyzed for in 40 soil samples from the 2-31 Area and detected in 21 of those samples. Of the samples in which a petroleum hydrocarbon was detected, all were reported at concentrations below the respective soil screening levels protective of surface water.

During the 2-31 Area data gap investigation, an additional 15 soil samples collected from five locations were analyzed for petroleum hydrocarbons in accordance with Work Plan Table 2-2. Using both historical data and 2-31 Area data gap investigation results, petroleum hydrocarbons were again screened to determine if any were soil COCs for the 2-31 Area, as described in Work Plan Section 2.4.4. Three petroleum hydrocarbons, diesel-range (DRPH), motor oil-range (MoRPH), and gasoline-range (GRPH), were detected in soil samples during the 2-31 Area data gap investigation. DRPH was the only petroleum hydrocarbon detected at concentrations above its screening level.

The DRPH data generated by the 2-31 Area data gap investigation are summarized and evaluated in Section 5.4.1.

5.4.1 Diesel-Range Petroleum Hydrocarbons

The scope of the data gap investigation for DRPH was based on historical information and data set contained in the Plant 2 RCRA database at the time the Work Plan was written. At that time, DRPH had been analyzed for in 40 soil samples from the 2-31 Area and was detected in 21 of those samples. Of the 21 samples with detected concentrations of DRPH two samples exceeded the soil screening level of 2,000 mg/kg. Concentrations of DRPH above the soil screening level were reported for samples collected from 7.5 ft bgs at DP-3001 (2,700 mg/kg) and 10 ft bgs at DP-3002 (6,100 mg/kg) near UST PL-36.

During the 2-31 Area data gap investigation, DRPH was analyzed for in an additional 15 soil samples collected from five locations. DRPH was detected in three of those samples. Table 5-1b presents a summary of constituents detected in 2-31 Area data gap soil samples including DRPH. Table 5-2b presents a summary of all analytical soil results for the 2-31 Area data gap investigation.

Attachment F provides a table of DRPH analytical results for all historical and data gap investigation samples presenting locations, concentrations, and depths. The DRPH soil concentration maps presented in Attachment B of the Work Plan were revised to include the

data gap investigation results. The revised soil concentration maps are also provided in Attachment F of this document. Isoconcentration contours representing the screening level of 2,000 mg/kg have been added to the soil concentration maps. A thorough discussion of historical DRPH results before the data gap investigation is provided in the Work Plan; the following paragraph provides a brief summary of the 2-31 Area data gap investigation results for DRPH.

As identified in Section 2.4.4.1 of the Work Plan, addressing data gaps for DRPH involves delineating DRPH vertically and laterally in soils near UST PL-36. Three probe locations (2-31-DP-01, 2-31-DP-29 and 2-31-DP-49) were sampled near PL-36. DRPH was detected at the 4 to 5 ft bgs sample interval from location 2-31-DP-02 at a concentration of 8.1 mg/kg. This detected concentration does not exceed the 2,000 mg/kg DRPH screening level.

Addressing data gaps for DRPH via the surface water pathway involves evaluating whether groundwater has been impacted by DRPH in soils at UST PL-36. The following paragraph summarizes groundwater sampling results related to DRPH soil data gaps identified in Section 2.4.4.1 of the Work Plan.

DRPH was not detected in groundwater samples collected from three probe locations (2-31-DP-01, 2-31-DP-29 and 2-31-DP-49). These locations were sampled in associated with evaluating the soil to groundwater pathway at UST PL-36, as identified in the Work Plan. DRPH was not detected in historical groundwater samples collected from this area.

6.0 Geologic Results

The 2-31 Area data gap investigation included drilling two new monitoring wells (one B level well and one C level well) and direct-push probing at 50 locations throughout the 2-31 Area. Probes were driven to the A level of the aquifer at all 50 locations, generally to total depth of 14 ft bgs. Twelve of those 50 probes were driven to deeper intervals in the B, level of the aquifer and one of the 50 probes was terminated in the C level of the aquifer as noted in Section 3.0. Geology was logged from split-spoon samples and drill cuttings at all well and probe locations. The resulting geologic logs are presented in Appendix A.

In general, the geology of the A and B levels of the aquifer was noted to be consistent with previous descriptions of the subsurface at Plant 2. The upper approximately 9 to 10 ft bgs consists of a mixture of imported fill material, dredge spoils, and native soil. This layer is generally designated as poorly-graded sand (SP) under the Unified Soil Classification System. Beneath the fill layer is a thin layer of brown to gray silt (ML) or clay (CL), which represents the former tideflats surface prior to filling and is present at most, but not all, sampling locations in the 2-31 Area. This silt layer is approximately 1 to 4 ft thick throughout the 2-31 Area and, unlike in the 2-40s Area, the silt layer extends to the waterway as noted in the geologic log for well PL2-233A. The thin silt layer is underlain by poorly-graded sand (SP) that extends to approximately 40 to 45 ft bgs in the 2-31 Area. A layer of dark gray silty fine sand (SM), poorly-graded sand with silt (SP-SM), or poorly-graded sand (SP) extends from approximately 40 ft bgs to approximately 75 ft bgs. A dark gray marine silt (ML) unit containing fine sand and shells underlies the aquifer and extends beyond the deepest well at the site. A more thorough description of 2-31 Area geology is presented in the 2-31 Area Data Gap Investigation Work Plan (EPI and Golder 2008).

This page intentionally left blank.

7.0 References

Environmental Partners Inc. (EPI) 2003, Interim Measures Work Plan for Sheetpile Structure at Building 2-66" *Prepared for The Boeing Company. Seattle, Washington*. October.

Environmental Partners Inc., Floyd|Snider, Golder Associates Inc.. 2005. *Uplands Corrective Measures Study – Conceptual Hydrogeologic Model Data Gap Investigation Results – Boeing Plant 2. Prepared for The Boeing Company. Seattle, Washington.*

Environmental Partners Inc., Floyd|Snider, Golder Associates Inc.. 2006. *Technical Memorandum: Development and Use of Background Values. Prepared for The Boeing Company. Seattle, Washington.* March.

Environmental Partners Inc, Golder Associates Inc. (2009) *Uplands Corrective Measures Study Vol. VIIIa: 2-31 Area – Data Gap Investigation Work Plan. Prepared for the Boeing Company. Seattle, Washington.* April.

United States Environmental Protection Agency. 2006. *Re: Uplands Corrective Measures Study (CMS) Volume III South Yard Area Data Gap Investigation Report, the CMS Process, and the Uplands Corrective Measures Study (CMS) Volume III 2-60's Area Data Gap Investigation Report, Boeing Plant 2, Seattle/Tukwila, Washington, Resource Conservation and Recovery Act (RCRA) Docket No. 1092-01-22-3008(h), EPA ID No. WAD 00925 6819*. May.

United States Environmental Protection Agency. 1994. *Administrative Order On Consent. RCRA Docket No. 1092-01-22-3008(h), Facility ID No. WAD 00925 6819*. January.

United States Federal Government. 2007. *Code of Federal Regulations (CFR), Title 40, Chapter 1, Subchapter R, Part 761. Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions*. May.

Washington State Department of Ecology (Ecology). 1994. *Natural Background Soil Metals Concentrations in Washington State*. Toxics Cleanup Program. Publication #94-115. October.

Washington State Legislature. 2007. *Washington Administrative Code (WAC), Chapter 173-160, Section 420*. February.

Washington State Legislature. 2006. *Washington Administrative Code (WAC), Chapter 173-201A, Section 240, Table 240(3), Footnote dd*. November.

This page intentionally left blank.

Boeing Plant 2
Seattle/Tukwila, Washington

Uplands Corrective Measures Study
Volume VIIIb: 2-31 Area

Data Gap Investigation Report

Part 1 of 2

Tables

This page intentionally left blank.

Table 2-1: Deviations from Section 3 of the 2-31 Area Data Gap Investigation Work Plan

Original Procedure, Method, or Process	Actual Procedure, Method, or Process	Reason for Modification
Original proposed well and probe locations as are shown in Figure 2-1 in the 2-31 Area Data Gap Investigation Work Plan.	Some well and probe locations were moved based on field conditions and subsurface utilities.	Proposed probe and well locations were subject to minor changes based on underground utilities, overhead obstacles such as power lines and overhangs, and other logistical factors. Both the proposed and actual sampling locations are presented in Figure 2-1 of this report.

Note: Modifications to the work plan are identified in Section 2.0.

This page intentionally left blank.

Table 2-2: Construction Summary for Wells Installed During the Data Gap Investigation

Monitoring Well Number	Northing	Easting	Rim Elevation of Casing (ft. NGVD, 29)	Measuring Point Elevation (ft. NGVD, 29)	Well Diameter	Screened Interval (ft. bgs)	Screen Slot Size	Total Depth (ft. bgs)
PL2-507B	198169.6455	1274967.5874	12.85	12.56	2 inches	35-45	10-slot	45.5
PL2-507C	198185.3937	1274948.6455	13.04	12.73	2 inches	65-75	10-slot	75.5

Horizontal Datum = North American Datum 1983(91) (NAD83(91))
Vertical Datum = National Geodetic Vertical Datum 1929 (NGVD, 29)
Coordinate System and Zone: Washington State Plane, North Zone Coordinates

This page intentionally left blank.

Table 2-3: Summary of Groudwater Sampling Field Parameter Results, Direct-Push Probes and Monitoring Wells

Well or Probe Location	Screened Interval (ft)	Date	Gallons Purged	Depth to water (wells only)	pH	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (^oC)	ORP (mV)	Appearance
2-31-DP-01	10 - 14	9/16/2009	3.6	--	7.06	0.239	45.9	0.18	17.63	58.0	Clearing
2-31-DP-02	10 - 14	9/24/2009	1.8	--	7.91	0.537	8.16	0.23	20.54	42.1	Clear
2-31-DP-02	40 - 44	9/24/2009	5.8	--	7.75	1.188	164	0.23	17.94	-99.9	Cloudy
2-31-DP-03	10 - 14	9/1/2009	1.8	--	5.71	0.633	27.0	0.65	19.68	-6.5	Clear
2-31-DP-03	40 - 44	9/1/2009	2.8	--	7.15	0.477	218	0.13	19.23	-58	Cloudy
2-31-DP-04	10 - 14	8/31/2009	4.8	--	7.86	1.149	27.9	0.23	19.51	-31.9	Clearing
2-31-DP-04	40 - 44	8/31/2009	5.3	--	8.21	0.698	188	0.08	18.82	-77.2	Cloudy
2-31-DP-05	10 - 14	9/2/2009	3.2	--	8.92	0.483	32.3	0.14	20.63	-54.7	Cloudy
2-31-DP-05	40 - 44	9/2/2009	1.8	--	7.54	0.587	172	0.14	22.40	-92.1	Cloudy
2-31-DP-06	10 - 14	9/1/2009	1.2	--	7.06	0.454	8.86	0.58	20.86	13.6	Clear
2-31-DP-06	40 - 44	9/1/2009	3.3	--	7.35	0.680	642	0.14	18.80	-63.4	Cloudy
2-31-DP-07	10 - 14	9/3/2009	2.4	--	7.68	1.109	23.7	0.47	21.01	-44.1	Clear
2-31-DP-07	40 - 44	9/3/2009	2.2	--	7.96	0.631	187	0.17	20.58	-85.8	Cloudy
2-31-DP-08	10 - 14	9/14/2009	2.8	--	8.91	0.493	16.3	0.12	17.39	-62.9	Clear
2-31-DP-08	40 - 44	9/14/2009	4.6	--	10.17	4.589	44.1	0.08	17.23	-89.9	Clearing
2-31-DP-09	12 - 16	9/14/2009	1.8	--	10.18	0.533	27.1	0.15	17.00	-66.2	Clear
2-31-DP-09	40 - 44	9/14/2009	4.0	--	10.13	1.835	715	0.15	17.59	-52.7	Clearing
2-31-DP-10	10 - 14	9/11/2009	1.2	--	7.76	0.685	31.0	0.22	17.78	-19.4	Clear
2-31-DP-10	40 - 44	9/11/2009	3.0	--	6.30	0.685	680	0.19	20.47	-13.7	Cloudy, Yellow
2-31-DP-11	10 - 14	9/2/2009	3.2	--	7.72	0.766	24.1	0.10	18.87	-61.8	Clear
2-31-DP-11	40 - 44	9/2/2009	4.1	--	7.92	0.833	1206	0.11	18.52	-76.3	Cloudy
2-31-DP-12	10 - 14	9/11/2009	1.8	--	7.24	8.409	6.97	0.48	15.20	108.7	Clear
2-31-DP-12	40 - 44	9/11/2009	2.6	--	8.58	22.31	91.7	0.14	16.20	-70.9	Clearing
2-31-DP-13	10 - 14	9/21/2009	2.4	--	7.00	0.514	9.62	0.02	19.80	37.9	Clear, Pale Yellow
2-31-DP-14	12 - 16	9/21/2009	1.0	--	7.04	0.323	16.7	0.02	18.79	45.3	Clear
2-31-DP-15	10 - 14	9/15/2009	1.8	--	9.14	0.796	8.68	0.20	24.08	-54.4	Clear
2-31-DP-16	10 - 14	9/10/2009	2.8	--	9.22	0.277	18.9	0.10	17.68	0.4	Clear
2-31-DP-17	10 - 14	9/10/2009	1.6	--	9.31	0.546	17.4	0.21	17.15	-55.0	Clear
2-31-DP-18	10 - 14	9/10/2009	3.2	--	8.56	0.258	25.4	0.09	16.18	-4.3	Clear
2-31-DP-19	10 - 14	9/24/2009	2.8	--	7.73	0.191	16.8	0.21	16.13	-71.1	Clear
2-31-DP-20	10 - 14	9/21/2009	2.9	--	6.96	0.605	10.61	0.18	14.40	-36.0	Clear
2-31-DP-21	10 - 14	9/15/2009	1.4	--	10.19	0.560	14.2	0.11	18.41	46.8	Clear
2-31-DP-22	10 - 14	9/10/2009	1.8	--	7.89	0.349	16.0	0.28	17.46	81.2	Clear

Table 2-3: Summary of Groudwater Sampling Field Parameter Results, Direct-Push Probes and Monitoring Wells

Well or Probe Location	Screened Interval (ft)	Date	Gallons Purged	Depth to water (wells only)	pH	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (^oC)	ORP (mV)	Appearance
2-31-DP-23	10 - 14	9/15/2009	2.7	--	10.18	0.520	15.8	0.15	18.03	2.2	Clear
2-31-DP-24	12 - 16	9/3/2009	3.0	--	9.39	0.812	59.4	0.21	21.95	-46.5	Clearing
2-31-DP-25	10 - 14	9/9/2009	3.1	--	9.28	0.508	39.9	0.13	20.33	-7.6	Clear
2-31-DP-26	10 - 14	9/9/2009	3.3	--	9.01	1.620	17.1	0.24	20.36	-19.0	Yellow
2-31-DP-27	10 - 14	9/15/2009	1.6	--	9.49	0.748	8.42	0.21	20.23	-0.2	Clear
2-31-DP-28	10 - 14	9/1/2009	4.8	--	6.48	0.695	25.1	0.33	21.21	14	Clear
2-31-DP-29	10 - 14	9/8/2009	3.4	--	7.97	0.659	26.8	0.26	19.56	-34.1	Clear
2-31-DP-30	10 - 14	9/15/2009	3.2	--	8.37	0.536	27.9	0.16	22.76	-46.9	Clear
2-31-DP-31	10 - 14	8/31/2009	3.7	--	7.68	0.847	9.96	0.15	19.28	-14.5	Clear
2-31-DP-32	10 - 14	8/31/2009	4.6	--	7.59	0.934	24.9	0.19	20.07	-4.7	Clear
2-31-DP-33	10 - 14	8/31/2009	3.9	--	7.81	0.981	28.3	0.45	19.51	-24.3	Clear
2-31-DP-34	10 - 14	9/2/2009	3.7	--	7.12	0.536	11.6	0.16	19.91	-59.6	Clear
2-31-DP-35	12 - 16	9/8/2009	2.4	--	8.48	0.517	8.64	0.31	17.71	-28.9	Clear
2-31-DP-36	10 - 14	9/1/2009	5.3	--	7.24	0.788	20.5	0.13	19.56	-44.5	Clear
2-31-DP-37	10 - 14	9/8/2009	4.2	--	8.47	0.652	47.8	0.13	17.31	-83.8	Cloudy
2-31-DP-38	12 - 16	9/3/2009	3.4	--	8.13	0.825	90.0	0.22	20.59	-39.3	Cloudy
2-31-DP-39	10 - 14	9/16/2009	2.0	--	8.92	0.491	9.67	0.25	17.83	-20.5	Clear
2-31-DP-39	40 - 44	9/16/2009	2.2	--	10.00	0.656	67.0	0.20	18.28	-50.4	Cloudy
2-31-DP-39	68 - 72	9/16/2009	1.2	--	8.44	15.90	27.4	0.29	17.86	-92.7	Clear
2-31-DP-40	10 - 14	9/2/2009	2.5	--	7.67	1.125	20.1	0.17	19.64	-51.2	Clear
2-31-DP-41	10 - 14	9/8/2009	3.6	--	8.61	0.454	20.4	0.10	17.81	-60.9	Clear
2-31-DP-42	10 - 14	9/14/2009	2.6	--	9.00	0.448	9.37	0.12	17.76	31.7	Clear
2-31-DP-43	10 - 14	9/8/2009	4.0	--	8.46	0.675	38.7	0.11	16.57	15.3	Clear
2-31-DP-44	10 - 14	9/21/2009	1.7	--	7.03	1.338	0.27	0.08	15.64	128.8	Clear
2-31-DP-45	10 - 14	9/9/2009	1.8	--	8.84	0.553	2.92	0.08	21.05	-52.5	Clear
2-31-DP-46	10 - 14	9/9/2009	2.3	--	9.23	0.760	9.18	0.07	15.61	-38.0	Clear
2-31-DP-47	10 - 14	9/8/2009	3.8	--	8.57	0.523	84.3	0.23	18.66	-33.7	Clearing
2-31-DP-48	10 - 14	9/3/2009	2.1	--	8.18	0.675	40.5	0.23	19.06	-20.0	Clear
2-31-DP-49	10 - 14	9/8/2009	3.6	--	8.68	0.512	9.84	0.38	19.41	-31.0	Clearing
2-31-DP-50	10 - 14	9/9/2009	3.5	--	7.21	4.488	9.76	0.43	16.08	156.0	Clear
PL2-233A	10 - 25	10/6/2009	4.2	9.90	6.68	86.2	6.1	0.78	17.30	-130.0	Clear
PL2-501A	10 - 20	10/2/2009	3.5	11.15	6.83	0.392	1.73	0.19	18.85	-11.5	Clear, Yellow
PL2-501B	40 - 50	10/2/2009	2.5	10.95	7.18	0.730	2.44	0.15	17.84	-28.6	Clear

Table 2-3: Summary of Groudwater Sampling Field Parameter Results, Direct-Push Probes and Monitoring Wells

Well or Probe Location	Screened Interval (ft)	Date	Gallons Purged	Depth to water (wells only)	pH	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (^oC)	ORP (mV)	Appearance
PL2-501C	68 - 78	10/2/2009	2.6	11.95	7.38	33.37	6.96	0.13	17.52	-40.1	Clear
PL2-502A	8 - 18	10/1/2009	1.7	11.99	6.31	59.0	4.35	0.26	17.10	-87	Clear
PL2-503A	7 - 17.5	10/1/2009	2.0	8.28	6.63	51.3	2.19	0.18	24.50	-99	Clear
PL2-504A	4.2 - 14.7	10/5/2009	0.8	7.90	9.90	0.262	5.98	0.34	19.10	91.5	Clear
PL2-505A	9 - 24.5	10/5/2009	1.3	11.70	10.38	0.655	7.91	0.32	22.59	-34.7	Clear
PL2-507A	8 - 18	10/6/2009	1.8	10.15	5.85	20.9	9.1	5.88	19.3	58.0	Clear
PL2-507B	35 - 45	10/6/2009	3.6	10.57	6.77	57.9	49.3	0.74	15.2	-128	Clearing
PL2-507C	64 - 74	10/7/2009	1.8	10.82	7.15	1,510	5.74	0.92	15.1	-174	Clear
PL2-509A	8 - 18	10/5/2009	2.5	11.02	9.28	0.884	9.85	0.27	19.66	-11.4	Clear, Slightly Yellow
PL2-509B	40 - 50	10/5/2009	3.7	11.00	10.13	0.763	9.16	0.18	18.25	-28.0	Clear, Colorless

This page intentionally left blank.

Table 3-1a: Explanation of Data Qualifiers

Data Qualifier	Explanation
Data Qualifiers Used by the Contract Laboratory – Analytical Resources, Inc.	
U	The compound was analyzed for, but not detected at the reported concentration.
J	Indicates an estimated concentration when a value is less than the calculated reporting limit.
D	Indicates the surrogate/spike(s) was not detected due to dilution of extract.
NR	Indicates the surrogate recovery cannot be reported due to matrix interference.
E	Indicates a value above the linear range of the detector, sample dilution is required.
S	Indicates no value reported due to saturation of the detector, sample dilution required.
NA	Indicates compound was not analyzed for.
M	Indicates an estimated value of analyte found and confirmed by the analyst but with a low spectral match (GC-MS).
B	Indicates possible/probable blank contamination. Flagged when the analyte is detected in the blank as well as in the sample.
Y	Indicates raised reporting limit due to background interference or to activity in the instrument. Compound is still not detected at or above the raised level.
C	Indicates a probable detection that cannot be confirmed due to matrix interferences.
P	Indicates a high RPD between detected concentrations for dual column GC analyses without obvious interference.
H	Holding times have been exceeded. Results and quantitation limits may be biased low.
UI	Results or quantitation limit is elevated due to analytical interference.
Data Validation Qualifiers for Organic Analyses	
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

Table 3-1a: Explanation of Data Qualifiers

UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
Data Validation Qualifiers for Inorganic Analyses	
U	The compound was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-01 10 - 14 2-31-DP-01-10-W-0 9/16/2009	2-31-DP-02 10 - 14 2-31-DP-02-10-W-0 9/24/2009	2-31-DP-02 40 - 44 2-31-DP-02-40-W-0 9/24/2009	2-31-DP-03 10 - 14 2-31-DP-03-10-W-0 9/1/2009	2-31-DP-03 40 - 44 2-31-DP-03-40-W-0 9/1/2009	2-31-DP-04 10 - 14 2-31-DP-04-10-W-0 8/31/2009	2-31-DP-04 40 - 44 2-31-DP-04-40-W-0 8/31/2009	2-31-DP-05 10 - 14 2-31-DP-05-10-W-0 9/2/2009	2-31-DP-05 40 - 44 2-31-DP-05-40-W-0 9/2/2009	2-31-DP-06 10 - 14 2-31-DP-06-10-W-0 9/1/2009	2-31-DP-06 40 - 44 2-31-DP-06-40-W-0 9/2/2009	2-31-DP-07 10 - 14 2-31-DP-07-10-W-0 9/3/2009	2-31-DP-07 40 - 44 2-31-DP-07-40-W-0 9/3/2009	2-31-DP-08 10 - 14 2-31-DP-08-10-W-0 9/14/2009	2-31-DP-08 40 - 44 2-31-DP-08-40-W-0 9/14/2009	2-31-DP-09 12 - 16 2-31-DP-09-12-W-0 9/14/2009	2-31-DP-09 40 - 44 2-31-DP-09-40-W-0 9/14/2009	2-31-DP-10 10 - 14 2-31-DP-10-10-W-0 9/11/2009	2-31-DP-10 40 - 44 2-31-DP-10-40-W-0 9/11/2009
VOCs (µg/L)																							
Vinyl Chloride	EPA 8260C	0.731	0.2		0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.4	0.3	0.5	0.2 U	0.6	0.2 U	51	0.5	0.2 U	0.2 U	1.2	0.2 U	0.5	0.2
Carbon Disulfide	EPA 8260C	34300	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2
1,1-Dichloroethene	EPA 8260C	0.382	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	90600	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	10000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	1550	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	15	0.2 U	0.2 U	0.2 U	3	0.2 U	0.3	0.2 U
Chloroform	EPA 8260C	56.1	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.302	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	7.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260C	4.48	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U
Toluene	EPA 8260C	15000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	1600	0.2		2.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C		0.4		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichlorobenzene	EPA 8260C	1300	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	960	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C		0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	112	0.5		0.5 U	0.7 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	2440	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SVOCs (µg/L)																							
1,3-Dichlorobenzene	EPA 8270D	960	1			1 U	1 U																
1,4-Dichlorobenzene	EPA 8270D		1			1 U	1 U																
1,2-Dichlorobenzene	EPA 8270D	1300	1			1 U	1 U																
1,2,4-Trichlorobenzene	EPA 8270D	112	1			1 U	1 U																
Naphthalene	EPA 8270D	2440	1			1 U	1 U																
Acenaphthene	EPA 8270D	318	1			1 U	1 U																
Dibenzofuran	EPA 8270D		1			1 U	1 U																
Fluorene	EPA 8270D	1710	1			1 U	1 U																
Phenanthrene	EPA 8270D		1			1 U	1 U																
Anthracene	EPA 8270D	12800	1			1 U	1 U																
Fluoranthene	EPA 8270D	44.6	1			1 U	1 U																
Pyrene	EPA 8270D	1280	1			1 U	1 U																
bis(2-Ethylhexyl)phthalate	EPA 8270D	3	1			1.3	1 U																
1-Methylnaphthalene	EPA 8270D		1			1 U	1 U																
Naphthalene	EPA 8270DSIM	2440	0.1			0.1 U	0.1 U																
1-Methylnaphthalene	EPA 8270DSIM		0.1			0.1 U	0.1 U																
Acenaphthene	EPA 8270DSIM	318	0.1			0.1 U	0.1 U																
Fluorene	EPA 8270DSIM	1710	0.1			0.1 U	0.1 U																
Phenanthrene	EPA 8270DSIM		0.1			0.1 U	0.1 U																
Anthracene	EPA 8270DSIM	12800	0.1			0.1 U	0.1 U																
Fluoranthene	EPA 8270DSIM	44.6	0.1			0.1 U	0.1 U																
Pyrene	EPA 8270DSIM	1280	0.1			0.1 U	0.1 U																
Dibenzofuran	EPA 8270DSIM		0.1			0.1 U	0.1 U																
PCBs (µg/L)																							
Aroclor 1254	EPA 8082	0.01	0.01									0.01 U	0.01 U					0.01 U	0.01 U				
Aroclor 1260	EPA 8082	0.01	0.01									0.01 U	0.01 U					0.01 U	0.01 U				
Total PCB	EPA 8082	0.01	0.01									0.01 U	0.01 U					0.01 U	0.01 U				
Inorganics (µg/L)																							
Total Cyanide	EPA 335.2	5	5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						
WAD Cyanide	SM4500CN-I	5	5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U						

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-01 10 - 14 2-31-DP-01-10-W-0 9/16/2009	2-31-DP-02 10 - 14 2-31-DP-02-10-W-0 9/24/2009	2-31-DP-02 40 - 44 2-31-DP-02-40-W-0 9/24/2009	2-31-DP-03 10 - 14 2-31-DP-03-10-W-0 9/1/2009	2-31-DP-03 40 - 44 2-31-DP-03-40-W-0 9/1/2009	2-31-DP-04 10 - 14 2-31-DP-04-10-W-0 8/31/2009	2-31-DP-04 40 - 44 2-31-DP-04-40-W-0 8/31/2009	2-31-DP-05 10 - 14 2-31-DP-05-10-W-0 9/2/2009	2-31-DP-05 40 - 44 2-31-DP-05-40-W-0 9/2/2009	2-31-DP-06 10 - 14 2-31-DP-06-10-W-0 9/1/2009	2-31-DP-06 40 - 44 2-31-DP-06-40-W-0 9/2/2009	2-31-DP-07 10 - 14 2-31-DP-07-10-W-0 9/3/2009	2-31-DP-07 40 - 44 2-31-DP-07-40-W-0 9/3/2009	2-31-DP-08 10 - 14 2-31-DP-08-10-W-0 9/14/2009	2-31-DP-08 40 - 44 2-31-DP-08-40-W-0 9/14/2009	2-31-DP-09 12 - 16 2-31-DP-09-12-W-0 9/14/2009	2-31-DP-09 40 - 44 2-31-DP-09-40-W-0 9/14/2009	2-31-DP-10 10 - 14 2-31-DP-10-10-W-0 9/11/2009	2-31-DP-10 40 - 44 2-31-DP-10-40-W-0 9/11/2009
Metals (Total) (µg/L)																							
Aluminum	EPA 6010B		50																				
Arsenic	EPA 200.8	8	0.2																				
Barium	EPA 6010B		3																				
Cadmium	EPA 200.8	8.8	0.2																				
Calcium	EPA 6010B		50																				
Chromium	EPA 200.8	50	0.5																				
Cobalt	EPA 6010B		3																				
Copper	EPA 200.8	8	0.5																				
Iron	EPA 6010B		50																				
Lead	EPA 200.8	8.1	1																				
Magnesium	EPA 6010B		50																				
Manganese	EPA 6010B	2000	1																				
Mercury	EPA 7470A	0.025	0.02																				
Molybdenum	EPA 6010B		5																				
Nickel	EPA 200.8	8.2	0.5																				
Silver	EPA 200.8	1.9	0.2																				
Tin	EPA 6010B		10																				
Vanadium	EPA 6010B	2810	3																				
Zinc	EPA 6010B	81	10																				
Metals (Dissolved) (µg/L)																							
Aluminum	EPA 6010B		50		50 U	50 U	50 U	240	50 U	1630	50 U	80	50 U	270	50 U	430	260	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	8	0.2		0.5	3.9	0.5 U	8	1.1	10.9	0.4	2.2	1.2	17.4	0.5	56.1	1	11.3	0.5 U	2.1	0.5 U	13.4	0.7
Barium	EPA 6010B		3		3	16	10	20	12	19	7	12	13	7	9	19	10	9	37	11	16	15	9
Cadmium	EPA 200.8	8.8	0.2		0.2 U	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B		50		5850	82200	16000	25300	24900	6540	19900	29100	24800	11800	20000	30200	23500	13000	63100	19300	28500	14100	15900
Chromium	EPA 200.8	50	0.5		2 U	2 U	2 U	4	2 U	42	2 U	2	1 U	2 U	2 U	12	5 U	2 U	2 U	2 U	2 U	3	2 U
Cobalt	EPA 6010B		3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8	0.5		0.5 U	3.4	0.5 U	0.7	0.5 U	20.6	0.5 U	0.5 U	0.5 U	2	0.5 U	0.8	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Iron	EPA 6010B		50		4430	380	15300	13600	22400	10400	22600	7420	24900	15200	23800	30200	25900	25700	43200	20200	28400	29500	20800
Lead	EPA 200.8	8	1		1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B		50		5250	11000	18500	16200	10800	6070	11800	11900	12300	9390	12600	15400	13200	12900	63400	11700	24700	13700	11500
Manganese	EPA 6010B	2000	1		237	72	733	374	1050	238	885	167	1040	466	828	981	1040	660	1780	579	996	994	670
Mercury	EPA 7470A	0.025	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0321	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B		5		6	12	5 U	5	7	6	9	6	5 U	5 U	5	10	5 U	5 U	9	5 U	6	5 U	6
Nickel	EPA 200.8	8.2	0.5		0.7	2.5	2.9	2.3	9.5	2.8	4.6	1.2	6.7	4.3	8.1	4	8.7	0.9	8.8	1	6.8	2.5	12.7
Silver	EPA 200.8	1.9	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B		10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	2810	3		9	53	3 U	35	5	204	3 U	5	4	10	3 U	34	3	12	3 U	3 U	3 U	21	3 U
Zinc	EPA 6010B	81	10		10 U	10 U	10 U	10 U	70	10 U	100	10 U	140	10 U	90	10	190	10 U	50	10 U	30	10 U	130
Conventional Parameters (mg/L)																							
Total Dissolved Solids	EPA 160.1		5																				
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1		0.01																				
Sulfate	EPA 300.0_SO4		0.1																				
Sulfide	EPA 376.2		0.05																				
Total Organic Carbon	EPA 415.1		1.5																				
pH	FIELD				7.06	7.91	7.75	5.71	7.15	7.86	8.21	8.92	7.54	7.06	7.35	7.68	7.96	8.91	10.17	10.18	10.13	7.76	6.3
Density (g/mL)	GRAV	-																					

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-11 10 - 14 2-31-DP-11-10-W-0 9/2/2009	2-31-DP-11 40 - 44 2-31-DP-11-40-W-0 9/2/2009	2-31-DP-12 10 - 14 2-31-DP-12-10-W-0 9/11/2009	2-31-DP-12 40 - 44 2-31-DP-12-40-W-0 9/11/2009	2-31-DP-13 10 - 14 2-31-DP-13-10-W-0 9/21/2009	2-31-DP-14 12 - 16 2-31-DP-14-12-W-0 9/21/2009	2-31-DP-15 10 - 14 2-31-DP-15-10-W-0 9/15/2009	2-31-DP-16 10 - 14 2-31-DP-16-10-W-0 9/10/2009	2-31-DP-17 10 - 14 2-31-DP-17-10-W-0 9/10/2009	2-31-DP-18 10 - 14 2-31-DP-18-10-W-0 9/10/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-0 9/24/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-1 9/24/2009	2-31-DP-20 10 - 14 2-31-DP-20-10-W-0 9/21/2009	2-31-DP-21 10 - 14 2-31-DP-21-10-W-0 9/15/2009	2-31-DP-22 10 - 14 2-31-DP-22-10-W-0 9/10/2009	2-31-DP-23 10 - 14 2-31-DP-23-10-W-0 9/15/2009	2-31-DP-24 12 - 16 2-31-DP-24-12-W-0 9/3/2009	2-31-DP-25 10 - 14 2-31-DP-25-10-W-0 9/9/2009	2-31-DP-26 10 - 14 2-31-DP-26-10-W-0 9/9/2009
VOCs (µg/L)																							
Vinyl Chloride	EPA 8260C	0.731	0.2		5.3	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8
Carbon Disulfide	EPA 8260C	34300	0.2		0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260C	0.382	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	90600	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	10000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	1550	0.2		0.2 U	0.2 U	1.1	2.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Chloroform	EPA 8260C	56.1	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.302	0.2		0.2 U	0.2 U	3.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260C	4.48	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260C	15000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	1600	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C		0.4		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichlorobenzene	EPA 8260C	1300	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	960	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C		0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	112	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	2440	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SVOCs (µg/L)																							
1,3-Dichlorobenzene	EPA 8270D	960	1						1 U	1 U			1 U										
1,4-Dichlorobenzene	EPA 8270D		1						1 U	1 U			1 U										
1,2-Dichlorobenzene	EPA 8270D	1300	1						1 U	1 U			1 U										
1,2,4-Trichlorobenzene	EPA 8270D	112	1						1 U	1 U			1 U										
Naphthalene	EPA 8270D	2440	1						1 U	1 U			1 U										
Acenaphthene	EPA 8270D	318	1						1 U	1 U			1 U										
Dibenzofuran	EPA 8270D		1						1 U	1 U			1 U										
Fluorene	EPA 8270D	1710	1						1 U	1 U			1 U										
Phenanthrene	EPA 8270D		1						1 U	1 U			1 U										
Anthracene	EPA 8270D	12800	1						1 U	1 U			1 U										
Fluoranthene	EPA 8270D	44.6	1						1 U	1 U			1 U										
Pyrene	EPA 8270D	1280	1						1 U	1 U			1 U										
bis(2-Ethylhexyl)phthalate	EPA 8270D	3	1						1 U	1 U			1 U										
1-Methylnaphthalene	EPA 8270D		1						1 U	1 U			1 U										
Naphthalene	EPA 8270DSIM	2440	0.1						0.1 U	0.1 U			0.1 U										
1-Methylnaphthalene	EPA 8270DSIM		0.1						0.1 U	0.1 U			0.1 U										
Acenaphthene	EPA 8270DSIM	318	0.1						0.1 U	0.1 U			0.1 U										
Fluorene	EPA 8270DSIM	1710	0.1						0.1 U	0.1 U			0.1 U										
Phenanthrene	EPA 8270DSIM		0.1						0.1 U	0.1 U			0.1 U										
Anthracene	EPA 8270DSIM	12800	0.1						0.1 U	0.1 U			0.1 U										
Fluoranthene	EPA 8270DSIM	44.6	0.1						0.1 U	0.1 U			0.1 U										
Pyrene	EPA 8270DSIM	1280	0.1						0.1 U	0.1 U			0.1 U										
Dibenzofuran	EPA 8270DSIM		0.1						0.1 U	0.1 U			0.1 U										
PCBs (µg/L)																							
Aroclor 1254	EPA 8082	0.01	0.01						0.01 U	0.01 U	0.01 U		0.01 U										
Aroclor 1260	EPA 8082	0.01	0.01						0.01 U	0.01 U	0.01 U		0.01 U										
Total PCB	EPA 8082	0.01	0.01						0.01 U	0.01 U	0.01 U		0.01 U										
Inorganics (µg/L)																							
Total Cyanide	EPA 335.2	5	5				5 U	5 U	5 U	5 U			5 U								10	5 U	
WAD Cyanide	SM4500CN-I	5	5				5 U	5 U	5 U	5 U			5 U								5 U	5 U	

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-11 10 - 14 2-31-DP-11-10-W-0 9/2/2009	2-31-DP-11 40 - 44 2-31-DP-11-40-W-0 9/2/2009	2-31-DP-12 10 - 14 2-31-DP-12-10-W-0 9/11/2009	2-31-DP-12 40 - 44 2-31-DP-12-40-W-0 9/11/2009	2-31-DP-13 10 - 14 2-31-DP-13-10-W-0 9/21/2009	2-31-DP-14 12 - 16 2-31-DP-14-12-W-0 9/21/2009	2-31-DP-15 10 - 14 2-31-DP-15-10-W-0 9/15/2009	2-31-DP-16 10 - 14 2-31-DP-16-10-W-0 9/10/2009	2-31-DP-17 10 - 14 2-31-DP-17-10-W-0 9/10/2009	2-31-DP-18 10 - 14 2-31-DP-18-10-W-0 9/10/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-0 9/24/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-1 9/24/2009	2-31-DP-20 10 - 14 2-31-DP-20-10-W-0 9/21/2009	2-31-DP-21 10 - 14 2-31-DP-21-10-W-0 9/15/2009	2-31-DP-22 10 - 14 2-31-DP-22-10-W-0 9/10/2009	2-31-DP-23 10 - 14 2-31-DP-23-10-W-0 9/15/2009	2-31-DP-24 12 - 16 2-31-DP-24-12-W-0 9/3/2009	2-31-DP-25 10 - 14 2-31-DP-25-10-W-0 9/9/2009	2-31-DP-26 10 - 14 2-31-DP-26-10-W-0 9/9/2009
Metals (Total) (µg/L)																							
Aluminum	EPA 6010B		50																				
Arsenic	EPA 200.8	8	0.2																				
Barium	EPA 6010B		3																				
Cadmium	EPA 200.8	8.8	0.2																				
Calcium	EPA 6010B		50																				
Chromium	EPA 200.8	50	0.5																				
Cobalt	EPA 6010B		3																				
Copper	EPA 200.8	8	0.5																				
Iron	EPA 6010B		50																				
Lead	EPA 200.8	8.1	1																				
Magnesium	EPA 6010B		50																				
Manganese	EPA 6010B	2000	1																				
Mercury	EPA 7470A	0.025	0.02																				
Molybdenum	EPA 6010B		5																				
Nickel	EPA 200.8	8.2	0.5																				
Silver	EPA 200.8	1.9	0.2																				
Tin	EPA 6010B		10																				
Vanadium	EPA 6010B	2810	3																				
Zinc	EPA 6010B	81	10																				
Metals (Dissolved) (µg/L)																							
Aluminum	EPA 6010B		50		60	800	80	100 U	50 U	70	50	50 U	50 U	50 U	50 U	50 U	60	50 U	50 U	50 U	460	50 U	690
Arsenic	EPA 200.8	8	0.2		7.4	0.8	0.5 U	0.5 U	1.3	1.7	5.2	0.4	44.8	2.4	8.4	8.2	9.2	1.7	5.3	0.5	2.7	0.8	7.2
Barium	EPA 6010B		3		14	15	97	242	10	6	13	5	18	6	5	6	15	9	8	9	10	5	22
Cadmium	EPA 200.8	8.8	0.2		0.2 U	0.2 U	0.3	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B		50		14400	21300	75200	340000	43800	22600	24900	16300	24300	35900	10800	11000	17400	31500	19200	17400	8640	6500	11900
Chromium	EPA 200.8	50	0.5		4	4	3	1 U	2 U	2 U	6	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	16	3	36
Cobalt	EPA 6010B		3		3 U	3 U	3 U	6 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	4	4	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8	0.5		0.8	3.2	3.1	5	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.5	2	0.5 U	7.1	0.5 U	13
Iron	EPA 6010B		50		19000	26100	240	106000	33100	16600	8980	5090	58400	5210	23300	23400	47800	210	660	17900	9400	6680	7820
Lead	EPA 200.8	8	1		1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B		50		10100	15100	206000	586000	10600	8670	9950	15600	20700	6010	9830	9880	16900	18200	15900	24000	15300	12400	17800
Manganese	EPA 6010B	2000	1		451	739	15	4700	889	542	393	133	1100	58	592	585	824	242	647	2800	315	227	390
Mercury	EPA 7470A	0.025	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B		5		5	5 U	8	20	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6	5 U	5 U	5 U	5 U	8
Nickel	EPA 200.8	8.2	0.5		0.9	5.5	6.7	16	0.7	0.5 U	1.9	2.1	2.1	1.1	0.8	0.8	3.6	8.3	8	1	3.8	0.7	5
Silver	EPA 200.8	1.9	0.2		0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
Tin	EPA 6010B		10		10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	2810	3		20	5	3 U	6 U	3 U	3 U	29	3 U	3 U	3 U	3 U	3 U	3 U	15	38	3	76	18	224
Zinc	EPA 6010B	81	10		10 U	60	10	130	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20	10 U	10 U	10 U	10 U
Conventional Parameters (mg/L)																							
Total Dissolved Solids	EPA 160.1		5																				
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1		0.01																				
Sulfate	EPA 300.0_SO4		0.1																				
Sulfide	EPA 376.2		0.05																				
Total Organic Carbon	EPA 415.1		1.5																				
pH	FIELD				7.72	7.92	7.24	8.58	7	7.04	9.14	9.22	9.31	8.56	7.73		6.96	10.19	7.89	10.18	9.39	9.28	9.01
Density (g/mL)	GRAV	-																					

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-27 10 - 14 2-31-DP-27-10-W-0 9/15/2009	2-31-DP-28 10 - 14 2-31-DP-28-10-W-0 9/1/2009	2-31-DP-29 10 - 14 2-31-DP-29-10-W-0 9/8/2009	2-31-DP-30 10 - 14 2-31-DP-30-10-W-0 9/15/2009	2-31-DP-31 10 - 14 2-31-DP-31-10-W-0 8/31/2009	2-31-DP-32 10 - 14 2-31-DP-32-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-1 8/31/2009	2-31-DP-34 10 - 14 2-31-DP-34-10-W-0 9/2/2009	2-31-DP-35 12 - 16 2-31-DP-35-12-W-0 9/8/2009	2-31-DP-36 10 - 14 2-31-DP-36-10-W-0 9/1/2009	2-31-DP-37 10 - 14 2-31-DP-37-10-W-0 9/8/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 9/3/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 Dilution 9/3/2009	2-31-DP-39 10 - 14 2-31-DP-39-10-W-0 9/16/2009	2-31-DP-39 40 - 44 2-31-DP-39-40-W-0 9/16/2009	2-31-DP-39 68 - 72 2-31-DP-39-68-W-0 9/17/2009	2-31-DP-40 10 - 14 2-31-DP-40-10-W-0 9/2/2009	2-31-DP-41 10 - 14 2-31-DP-41-10-W-0 9/8/2009
VOCs (µg/L)																							
Vinyl Chloride	EPA 8260C	0.731	0.2		0.2 U	0.2 U	0.2	0.2 U	1.2	0.5	0.3	0.3	0.4	1.4	2.6	0.4	1600 ES	3600	0.7	0.2 U	0.2 U	1.7	0.8
Carbon Disulfide	EPA 8260C	34300	0.2		0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260C	0.382	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.2	20 U	0.2 U	0.2 U	0.2 U	0.5	0.2 U
1,1-Dichloroethane	EPA 8260C	90600	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	10000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	250 E	310	0.2 U	0.2 U	0.2 U	0.4	0.4
cis-1,2-Dichloroethene	EPA 8260C	1550	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5	0.2 U	280 E	350	0.2 U	0.2 U	0.2 U	21	0.2
Chloroform	EPA 8260C	56.1	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.302	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2	20 U	0.2 U	0.2 U	0.2 U	1.9	0.2 U
Benzene	EPA 8260C	4.48	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	1.3
Toluene	EPA 8260C	15000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.3	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	1600	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C		0.4		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	40 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichlorobenzene	EPA 8260C	1300	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	960	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C		0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	112	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	2440	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SVOCs (µg/L)																							
1,3-Dichlorobenzene	EPA 8270D	960	1														1 U		1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	EPA 8270D		1														1 U		1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	EPA 8270D	1300	1														1 U		1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	EPA 8270D	112	1														1 U		1 U	1 U	1 U	1 U	1 U
Naphthalene	EPA 8270D	2440	1														1 U		1 U	1 U	1 U	1 U	1 U
Acenaphthene	EPA 8270D	318	1														1 U		1 U	1 U	1 U	1 U	1 U
Dibenzofuran	EPA 8270D		1														1 U		1 U	1 U	1 U	1 U	1 U
Fluorene	EPA 8270D	1710	1														1 U		1 U	1 U	1 U	1 U	1 U
Phenanthrene	EPA 8270D		1														1 U		1 U	1 U	1 U	1 U	1 U
Anthracene	EPA 8270D	12800	1														1 U		1 U	1 U	1 U	1 U	1 U
Fluoranthene	EPA 8270D	44.6	1														1 U		1 U	1 U	1 U	1 U	1 U
Pyrene	EPA 8270D	1280	1														1 U		1 U	1 U	1 U	1 U	1 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	3	1														1 U		1 U	1 U	1 U	1 U	1 U
1-Methylnaphthalene	EPA 8270D		1														1 U		1 U	1 U	1 U	1 U	1 U
Naphthalene	EPA 8270DSIM	2440	0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1-Methylnaphthalene	EPA 8270DSIM		0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acenaphthene	EPA 8270DSIM	318	0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Fluorene	EPA 8270DSIM	1710	0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Phenanthrene	EPA 8270DSIM		0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Anthracene	EPA 8270DSIM	12800	0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Fluoranthene	EPA 8270DSIM	44.6	0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Pyrene	EPA 8270DSIM	1280	0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzofuran	EPA 8270DSIM		0.1														0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
PCBs (µg/L)																							
Aroclor 1254	EPA 8082	0.01	0.01			0.01 U		0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U		
Aroclor 1260	EPA 8082	0.01	0.01			0.01 U		0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U		
Total PCB	EPA 8082	0.01	0.01			0.01 U		0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U		
Inorganics (µg/L)																							
Total Cyanide	EPA 335.2	5	5		5 U	5 U	5 U												5 U	5 U	5 U		
WAD Cyanide	SM4500CN-I	5	5		5 U	5 U	5 U												5 U	5 U	5 U		

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-27 10 - 14 2-31-DP-27-10-W-0 9/15/2009	2-31-DP-28 10 - 14 2-31-DP-28-10-W-0 9/1/2009	2-31-DP-29 10 - 14 2-31-DP-29-10-W-0 9/8/2009	2-31-DP-30 10 - 14 2-31-DP-30-10-W-0 9/15/2009	2-31-DP-31 10 - 14 2-31-DP-31-10-W-0 8/31/2009	2-31-DP-32 10 - 14 2-31-DP-32-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-1 8/31/2009	2-31-DP-34 10 - 14 2-31-DP-34-10-W-0 9/2/2009	2-31-DP-35 12 - 16 2-31-DP-35-12-W-0 9/8/2009	2-31-DP-36 10 - 14 2-31-DP-36-10-W-0 9/1/2009	2-31-DP-37 10 - 14 2-31-DP-37-10-W-0 9/8/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 9/3/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 Dilution 9/3/2009	2-31-DP-39 10 - 14 2-31-DP-39-10-W-0 9/16/2009	2-31-DP-39 40 - 44 2-31-DP-39-40-W-0 9/16/2009	2-31-DP-39 68 - 72 2-31-DP-39-68-W-0 9/17/2009	2-31-DP-40 10 - 14 2-31-DP-40-10-W-0 9/2/2009	2-31-DP-41 10 - 14 2-31-DP-41-10-W-0 9/8/2009
Metals (Total) (µg/L)																							
Aluminum	EPA 6010B		50																				
Arsenic	EPA 200.8	8	0.2																				
Barium	EPA 6010B		3																				
Cadmium	EPA 200.8	8.8	0.2																				
Calcium	EPA 6010B		50																				
Chromium	EPA 200.8	50	0.5																				
Cobalt	EPA 6010B		3																				
Copper	EPA 200.8	8	0.5																				
Iron	EPA 6010B		50																				
Lead	EPA 200.8	8.1	1																				
Magnesium	EPA 6010B		50																				
Manganese	EPA 6010B	2000	1																				
Mercury	EPA 7470A	0.025	0.02																				
Molybdenum	EPA 6010B		5																				
Nickel	EPA 200.8	8.2	0.5																				
Silver	EPA 200.8	1.9	0.2																				
Tin	EPA 6010B		10																				
Vanadium	EPA 6010B	2810	3																				
Zinc	EPA 6010B	81	10																				
Metals (Dissolved) (µg/L)																							
Aluminum	EPA 6010B		50		100	380	100	50 U	250	680	1970	880	70	250	120	50 U	180		100	50 U	50 U	370	50 U
Arsenic	EPA 200.8	8	0.2		5.1	2.9	1.7	2.4	4.4	5.2	6.2	6.7	7	14.8	14.6	18.4	14.5		1	0.5 U	1 U	7.8	7.5
Barium	EPA 6010B		3		5	8	10	5	21	13	18	12	10	7	13	14	10		9	7	79	16	8
Cadmium	EPA 200.8	8.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U
Calcium	EPA 6010B		50		4520	5060	20900	11400	15800	8100	4100	3870	13400	11700	12800	12900	8680		18500	16000	153000	18700	8650
Chromium	EPA 200.8	50	0.5		8	12	6	3	15	24	27	26	3	2 U	9	2 U	6		2 U	5 U	1 U	47	3
Cobalt	EPA 6010B		3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U		3 U	3 U	3	3 U	3 U
Copper	EPA 200.8	8	0.5		1.1	1.7	1.2	0.6	2.7	5.9	16.3	16.3	0.8	0.8	0.9	0.5 U	1.2		0.5 U	0.5 U	1 U	0.5 U	0.5 U
Iron	EPA 6010B		50		7010	4930	4760	13800	19600	5980	8330	7870	14200	18700	25000	22500	20400		10800	20100	12400	13700	20600
Lead	EPA 200.8	8	1		1 U	1 U	1 U	1 U	1 U	1 U	1	1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	2 U	1 U	1 U
Magnesium	EPA 6010B		50		6220	7620	9140	13600	16100	5010	4400	4270	11800	10000	11000	12000	6870		12400	12100	346000	13900	12600
Manganese	EPA 6010B	2000	1		173	159	178	419	643	239	153	151	608	610	722	804	482		572	637	392	780	946
Mercury	EPA 7470A	0.025	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B		5		5 U	7	5 U	5 U	5 U	7	5	9	5 U	5 U	5 U	5 U	5 U		5 U	5 U	8	22	5 U
Nickel	EPA 200.8	8.2	0.5		1.4	3.3	3.8	1.3	2	18.9	5.1	5	1.2	1.3	2.5	0.9	1.2		1.2	2.7	13	1	1.2
Silver	EPA 200.8	1.9	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U
Tin	EPA 6010B		10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	2810	3		46	64	36	19	69	96	131	132	16	6	49	14	26		6	3 U	3 U	14	11
Zinc	EPA 6010B	81	10		10 U	10 U	10 U	10 U	10 U	10 U	10	10	10 U	10 U	10 U	10 U	10 U		10 U	10 U	10 U	10 U	10 U
Conventional Parameters (mg/L)																							
Total Dissolved Solids	EPA 160.1		5																266	342	7410		
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1		0.01																4.26	1.62	14.8		
Sulfate	EPA 300.0_SO4		0.1																0.1 U	0.1 U	0.7		
Sulfide	EPA 376.2		0.05																0.05 U	0.05 U	0.05 U		
Total Organic Carbon	EPA 415.1		1.5																6.47	12.5	19.9		
pH	FIELD				9.49	6.48	7.97	8.37	7.68	7.59	7.81		7.12	8.48	7.24	8.47	8.13	8.13	8.92	10	8.44	7.67	8.61
Density (g/mL)	GRAV	-																	0.992	0.987	0.992		

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-42 10 - 14 2-31-DP-42-10-W-0 9/14/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-1 9/14/2009	2-31-DP-43 10 - 14 2-31-DP-43-10-W-0 9/8/2009	2-31-DP-44 10 - 14 2-31-DP-44-10-W-0 9/21/2009	2-31-DP-45 10 - 14 2-31-DP-45-10-W-0 9/9/2009	2-31-DP-46 10 - 14 2-31-DP-46-10-W-0 9/9/2009	2-31-DP-47 10 - 14 2-31-DP-47-10-W-0 9/8/2009	2-31-DP-48 10 - 14 2-31-DP-48-10-W-0 9/3/2009	2-31-DP-49 10 - 14 2-31-DP-49-10-W-0 9/8/2009	2-31-DP-50 10 - 14 2-31-DP-50-10-W-0 9/9/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-0 10/6/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-1 10/6/2009	PL2-501A 10 - 20 2-31-PL2-501A-W-0 10/2/2009	PL2-501B 40 - 50 2-31-PL2-501B-W-0 10/2/2009	PL2-501C 68 - 78 2-31-PL2-501C-W-0 10/2/2009	PL2-502A 8 - 18 2-31-PL2-502A-W-0 10/1/2009	PL2-503A 7 - 17.5 2-31-PL2-503A-W-0 10/1/2009	PL2-504A 4.2 - 14.7 2-31-PL2-504A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-0 10/5/2009
VOCs (µg/L)																							
Vinyl Chloride	EPA 8260C	0.731	0.2		0.9	0.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	1	0.2 U	0.2 U	0.2 U
Carbon Disulfide	EPA 8260C	34300	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260C	0.382	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	90600	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	10000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	1550	0.2		0.3	0.3	1.1	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2 J	0.2 U	0.2 U	0.2 U
Chloroform	EPA 8260C	56.1	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.302	0.2		1.5	1.5	2.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260C	4.48	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260C	15000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	1600	0.2		0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C		0.4		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichlorobenzene	EPA 8260C	1300	0.2		0.2 U	0.2 U	0.2 U	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
1,3-Dichlorobenzene	EPA 8260C	960	0.2		0.2 U	0.2 U	0.2 U	0.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C		0.2		0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	112	0.5		0.5 U	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	2440	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SVOCs (µg/L)																							
1,3-Dichlorobenzene	EPA 8270D	960	1												1 U	1 U				1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	EPA 8270D		1												1 U	1 U				1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	EPA 8270D	1300	1												1 U	1 U				1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	EPA 8270D	112	1												1 U	1 U				1 U	1 U	1 U	1 U
Naphthalene	EPA 8270D	2440	1												1 U	1 U				1 U	1 U	1 U	1 U
Acenaphthene	EPA 8270D	318	1												1 U	1 U				1 U	1 U	1 U	1.5
Dibenzofuran	EPA 8270D		1												1 U	1 U				1 U	1 U	1 U	1 U
Fluorene	EPA 8270D	1710	1												1 U	1 U				1 U	1 U	1 U	1 U
Phenanthrene	EPA 8270D		1												1 U	1 U				1 U	1 U	1 U	1 U
Anthracene	EPA 8270D	12800	1												1 U	1 U				1 U	1 U	1 U	1 U
Fluoranthene	EPA 8270D	44.6	1												1 U	1 U				1 U	1 U	1 U	1 U
Pyrene	EPA 8270D	1280	1												1 U	1 U				1 U	1 U	1 U	1 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	3	1												1 U	1 U				1 U	1 U	1 U	1 U
1-Methylnaphthalene	EPA 8270D		1												1 U	1 U				1 U	1 U	1 U	3.7
Naphthalene	EPA 8270DSIM	2440	0.1												0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 M
1-Methylnaphthalene	EPA 8270DSIM		0.1												0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	2.5
Acenaphthene	EPA 8270DSIM	318	0.1												0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	1.3
Fluorene	EPA 8270DSIM	1710	0.1												0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.41
Phenanthrene	EPA 8270DSIM		0.1												0.1 U	0.1 U				0.1 U	0.22	0.1 U	0.14
Anthracene	EPA 8270DSIM	12800	0.1												0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.13
Fluoranthene	EPA 8270DSIM	44.6	0.1												0.1 U	0.1 U				0.1 U	0.21	0.1 U	0.1 U
Pyrene	EPA 8270DSIM	1280	0.1												0.1 U	0.1 U				0.1 U	0.16	0.1 U	0.1 U
Dibenzofuran	EPA 8270DSIM		0.1												0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.11
PCBs (µg/L)																							
Aroclor 1254	EPA 8082	0.01	0.01					0.01 U	0.025	0.01 U	0.01 U			0.019						0.01 U			
Aroclor 1260	EPA 8082	0.01	0.01					0.031	0.044	0.01 U	0.01 U			0.01 U						0.01 U			
Total PCB	EPA 8082	0.01	0.01					0.031	0.069	0.01 U	0.01 U			0.019						0.01 U			
Inorganics (µg/L)																							
Total Cyanide	EPA 335.2	5	5									16	5 U		5 U	5 U	5 U	5 U		5 U			
WAD Cyanide	SM4500CN-I	5	5									5 U	5 U		5 U	5 U	5 U	5 U		5 U			

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-42 10 - 14 2-31-DP-42-10-W-0 9/14/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-1 9/14/2009	2-31-DP-43 10 - 14 2-31-DP-43-10-W-0 9/8/2009	2-31-DP-44 10 - 14 2-31-DP-44-10-W-0 9/21/2009	2-31-DP-45 10 - 14 2-31-DP-45-10-W-0 9/9/2009	2-31-DP-46 10 - 14 2-31-DP-46-10-W-0 9/9/2009	2-31-DP-47 10 - 14 2-31-DP-47-10-W-0 9/8/2009	2-31-DP-48 10 - 14 2-31-DP-48-10-W-0 9/3/2009	2-31-DP-49 10 - 14 2-31-DP-49-10-W-0 9/8/2009	2-31-DP-50 10 - 14 2-31-DP-50-10-W-0 9/9/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-0 10/6/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-1 10/6/2009	PL2-501A 10 - 20 2-31-PL2-501A-W-0 10/2/2009	PL2-501B 40 - 50 2-31-PL2-501B-W-0 10/2/2009	PL2-501C 68 - 78 2-31-PL2-501C-W-0 10/2/2009	PL2-502A 8 - 18 2-31-PL2-502A-W-0 10/1/2009	PL2-503A 7 - 17.5 2-31-PL2-503A-W-0 10/1/2009	PL2-504A 4.2 - 14.7 2-31-PL2-504A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-0 10/5/2009
Metals (Total) (µg/L)																							
Aluminum	EPA 6010B		50												50 U	60	100	50 U	100 U	80	270	390	50 U
Arsenic	EPA 200.8	8	0.2												3.6	5.4	2.5	0.5 U	137	2.2	1.2	1.5	0.4
Barium	EPA 6010B		3												8	7	7	7	626	5	14	8	13
Cadmium	EPA 200.8	8.8	0.2												0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2	0.3	0.2 U
Calcium	EPA 6010B		50												11800	11500	7550	23700	845000	24100	12900	13200	50300
Chromium	EPA 200.8	50	0.5												3	10	5 U	5 U	2 U	6	45	35	2 U
Cobalt	EPA 6010B		3												3 U	3 U	3 U	3 U	6 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8	0.5												0.5 U	1.5	1.7	0.5 U	14	1.3	6.2	14.7	0.5
Iron	EPA 6010B		50												12500	12700	11600	23500	27700	11200	4670	1280	2550
Lead	EPA 200.8	8.1	1												1 U	1 U	1 U	1 U	5 U	1 U	1	1	1 U
Magnesium	EPA 6010B		50												18300	17600	11800	13500	773000	11900	9930	2920	9190
Manganese	EPA 6010B	2000	1												248	244	284	988	4810	573	391	126	670
Mercury	EPA 7470A	0.025	0.02												0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.0311	0.02 U
Molybdenum	EPA 6010B		5												5 U	5 U	5 U	5 U	30	5 U	5 U	5 U	5 U
Nickel	EPA 200.8	8.2	0.5												0.6	0.8	0.5 U	0.5 U	32	0.9	1.8	0.9	0.6
Silver	EPA 200.8	1.9	0.2												0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	1 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B		10												10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	2810	3												10	11	15	3 U	6 U	8	14	31	3 U
Zinc	EPA 6010B	81	10												10 U	20	10 U	10 U	30	10	10	10 U	10 U
Metals (Dissolved) (µg/L)																							
Aluminum	EPA 6010B		50		50 U	50 U	50	50 U	50 U	50 U	1860	190	50 U	50 U	50 U	50 U	50 U	50 U	100 U	80	110	130	50 U
Arsenic	EPA 200.8	8	0.2		0.9	0.9	3.1	6.1	1.1	0.2	1.9	2	0.6	1.1	3.6	3.9	2.6	0.5 U	135	2.2	1	0.9	0.4
Barium	EPA 6010B		3		9	9	4	28	22	19	13	8	9	36	7	8	6	6	616	5	12	5	11
Cadmium	EPA 200.8	8.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B		50		34600	35700	5750	170000	59500	88900	4520	12500	12300	32400	11400	11600	7320	24300	812000 J	23100	12800	13100	49300
Chromium	EPA 200.8	50	0.5		2 U	2 U	14	2 U	2 U	2 U	89	6	2 U	1.8	2 U	1	5 U	5 U	2 U	6	21	19	2 U
Cobalt	EPA 6010B		3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	6 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8	0.5		0.6	0.7	6.4	3.7	0.6	0.5 U	24.9	1	0.5 U	2.5	0.5 U	0.5 U	0.6	0.5 U	11	1	1.5	3	0.5 U
Iron	EPA 6010B		50		220	240	260	1440	11100	8290	2350	7740	12400	50 U	11900	12100	11700	23400	26800	11000	4470	890	2330
Lead	EPA 200.8	8	1		1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B		50		10100	10200	4210	32800	14400	16000	3260	18200	9690	78300	18500	18600	11900	14700	748000	11700	9950	2880	9180
Manganese	EPA 6010B	2000	1		186	188	199	263	594	553	229	418	402	11	244	248	289	1010	4770	564	394	120	647
Mercury	EPA 7470A	0.025	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.0216	0.02 U
Molybdenum	EPA 6010B		5		5 U	5	9	30	5 U	5 U	5 U	5 U	5 U	6	5 U	5 U	5 U	5 U	20	5 U	5 U	5 U	5 U
Nickel	EPA 200.8	8.2	0.5		2.1	1.3	7.4	3.3	1.6	2	3.1	1.4	1.6	2.8	0.6	0.7	0.5 U	0.5 U	34	1.5	1.1	0.8	0.6
Silver	EPA 200.8	1.9	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	1 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B		10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	2810	3		3 U	3 U	39	14	3 U	3 U	51	33	13	12	9	9	13	3 U	6 U	7	11	26	3 U
Zinc	EPA 6010B	81	10		10 U	10 U	20	10 U	10 U	10 U	10 U	10 U	40	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
Conventional Parameters (mg/L)																							
Total Dissolved Solids	EPA 160.1		5												466	452	306	432	22300	298	315	184	304
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1		0.01												0.736	0.775	1.92	1.62	6.32	2.32	1.82	0.139	0.234
Sulfate	EPA 300.0_SO4		0.1												3.5	3.6	0.1 U	0.1 U	920	8.8	0.1 U	4.7	0.4
Sulfide	EPA 376.2		0.05												0.142	0.089	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.106	0.071
Total Organic Carbon	EPA 415.1		1.5												11.4	11.1	13.1	9.26	5.23	7.54	10.9	7.41	3.49
pH	FIELD				9		8.46	7.03	8.84	9.23	8.57	8.18	8.68	7.21	6.68		6.83	7.18	7.38	6.31	6.63	9.9	10.38
Density (g/mL)	GRAV	-													0.986	0.986	0.986	0.986	1.001	0.986	0.986	0.986	0.986

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	PL2-505A 9 - 24.5 2-31-PL2-505A-W-1 10/5/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-0 10/6/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-1 10/6/2009	PL2-507B 35 - 45 2-31-PL2-507B-W-0 10/6/2009	PL2-507B 35 - 45 2-31-PL2-507B-W-1 10/6/2009	PL2-507C 64 - 74 2-31-PL2-507C-W-0 10/7/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-0 10/5/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-1 10/5/2009	PL2-509B 40 - 50 2-31-PL2-509B-W-0 10/5/2009
VOCs (µg/L)													
Vinyl Chloride	EPA 8260C	0.731	0.2		0.2 U	0.2 U	0.2 U	0.4	0.3	0.2 U	1.4	1.5	0.2 U
Carbon Disulfide	EPA 8260C	34300	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260C	0.382	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	90600	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	10000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	1550	0.2		0.2 U	0.2 U	0.2 U	0.2	0.2	0.2 U	0.8	0.8	0.2 U
Chloroform	EPA 8260C	56.1	0.2		0.2 U	1	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.302	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.3	0.2 U
Benzene	EPA 8260C	4.48	0.2		0.2 U	0.2 U	0.2 U	0.7	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260C	15000	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	1600	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C		0.4		0.4 U	0.4 U	0.4 U	0.6	0.6	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichlorobenzene	EPA 8260C	1300	0.2		0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	960	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C		0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	112	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	2440	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SVOCs (µg/L)													
1,3-Dichlorobenzene	EPA 8270D	960	1			1 U		1 U	1 U	1 U	1 U		
1,4-Dichlorobenzene	EPA 8270D		1			1 U		1 U	1 U	1 U	1 U		
1,2-Dichlorobenzene	EPA 8270D	1300	1			1 U		1 U	1 U	1 U	1 U		
1,2,4-Trichlorobenzene	EPA 8270D	112	1			1 U		1 U	1 U	1 U	1 U		
Naphthalene	EPA 8270D	2440	1			1 U		1 U	1 U	1 U	1 U		
Acenaphthene	EPA 8270D	318	1			1 U		1 U	1 U	1 U	1 U		
Dibenzofuran	EPA 8270D		1			1 U		1 U	1 U	1 U	1 U		
Fluorene	EPA 8270D	1710	1			1 U		1 U	1 U	1 U	1 U		
Phenanthrene	EPA 8270D		1			1 U		1 U	1 U	1 U	1 U		
Anthracene	EPA 8270D	12800	1			1 U		1 U	1 U	1 U	1 U		
Fluoranthene	EPA 8270D	44.6	1			1 U		1 U	1 U	1 U	1 U		
Pyrene	EPA 8270D	1280	1			1 U		1 U	1 U	1 U	1 U		
bis(2-Ethylhexyl)phthalate	EPA 8270D	3	1			1 U		1 U	1 U	1 U	1 U		
1-Methylnaphthalene	EPA 8270D		1			1 U		1 U	1 U	1 U	1 U		
Naphthalene	EPA 8270DSIM	2440	0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
1-Methylnaphthalene	EPA 8270DSIM		0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
Acenaphthene	EPA 8270DSIM	318	0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
Fluorene	EPA 8270DSIM	1710	0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
Phenanthrene	EPA 8270DSIM		0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
Anthracene	EPA 8270DSIM	12800	0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
Fluoranthene	EPA 8270DSIM	44.6	0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
Pyrene	EPA 8270DSIM	1280	0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
Dibenzofuran	EPA 8270DSIM		0.1			0.1 U		0.1 U	0.1 U	0.1 U	0.1 U		
PCBs (µg/L)													
Aroclor 1254	EPA 8082	0.01	0.01			0.01 U	0.01 U	0.01 U	0.01 U	0.01 U			
Aroclor 1260	EPA 8082	0.01	0.01			0.01 U	0.01 U	0.01 U	0.01 U	0.01 U			
Total PCB	EPA 8082	0.01	0.01			0.01 U	0.01 U	0.01 U	0.012 Y	0.015 Y			
Inorganics (µg/L)													
Total Cyanide	EPA 335.2	5	5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
WAD Cyanide	SM4500CN-I	5	5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 3-1b: Detected Constituents in Groundwater Compared to SLs

Constituent	Analytical Method	2004 GW Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	PL2-505A 9 - 24.5 2-31-PL2-505A-W-1 10/5/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-0 10/6/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-1 10/6/2009	PL2-507B 35 - 45 2-31-PL2-507B-W-0 10/6/2009	PL2-507B 35 - 45 2-31-PL2-507B-W-1 10/6/2009	PL2-507C 64 - 74 2-31-PL2-507C-W-0 10/7/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-0 10/5/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-1 10/5/2009	PL2-509B 40 - 50 2-31-PL2-509B-W-0 10/5/2009
Metals (Total) (µg/L)													
Aluminum	EPA 6010B		50			50 U		1570		50 U	640		180
Arsenic	EPA 200.8	8	0.2			1.1		2.4		2	1		0.5
Barium	EPA 6010B		3			3 U		11		65	15		9
Cadmium	EPA 200.8	8.8	0.2			0.2 U		0.2 U		0.5 U	0.2 U		0.2 U
Calcium	EPA 6010B		50			23500		9880		44000	8240		24300
Chromium	EPA 200.8	50	0.5			0.5 U		2 U		1 U	11		2 U
Cobalt	EPA 6010B		3			3 U		3 U		3 U	3 U		3 U
Copper	EPA 200.8	8	0.5			1		1.9		1 U	4.9		0.7
Iron	EPA 6010B		50			960		12600		7020	6290		25200
Lead	EPA 200.8	8.1	1			1 U		1 U		2 U	1 U		1 U
Magnesium	EPA 6010B		50			4560		11700		185000	10600		12900
Manganese	EPA 6010B	2000	1			21		487		314	311		1130
Mercury	EPA 7470A	0.025	0.02			0.02 U		0.02 U		0.02 U	0.02 U		0.02 U
Molybdenum	EPA 6010B		5			5 U		5 U		49	5 U		5 U
Nickel	EPA 200.8	8.2	0.5			1.4		1		2	0.7		0.7
Silver	EPA 200.8	1.9	0.2			0.2 U		0.2 U		0.5 U	0.2 U		0.2 U
Tin	EPA 6010B		10			10 U		10 U		10 U	10 U		10 U
Vanadium	EPA 6010B	2810	3			3 U		9		3	58		3 U
Zinc	EPA 6010B	81	10			10 U		10		10 U	10 U		10 U
Metals (Dissolved) (µg/L)													
Aluminum	EPA 6010B		50		50 U	50 U	50 U	50 U	50 U	50 U	140	180	50 U
Arsenic	EPA 200.8	8	0.2		0.4	1	1.1	2.2	2.4	2	0.8	0.9	0.4
Barium	EPA 6010B		3		10	3 U	3 U	4	5	67	11	12	7
Cadmium	EPA 200.8	8.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B		50		49600	24300	23500	9570	9510	46600	8010	7870	23400
Chromium	EPA 200.8	50	0.5		2 U	0.5 U	0.5 U	0.6	2 U	1 U	10	11	2 U
Cobalt	EPA 6010B		3		3 U	3	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	8	0.5		0.5 U	1	1	0.5 U	0.5 U	1 U	1	1.8	0.5 U
Iron	EPA 6010B		50		2350	700	960	11500	11800	7410	5870	5880	24300
Lead	EPA 200.8	8	1		1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U
Magnesium	EPA 6010B		50		9150	4640	4600	11600	11500	196000	10700	10600	12500
Manganese	EPA 6010B	2000	1		650	54	21	490	496	326	313	318	1090
Mercury	EPA 7470A	0.025	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B		5		5 U	5 U	5 U	5 U	5 U	46	5 U	5 U	5 U
Nickel	EPA 200.8	8.2	0.5		0.6	1.6	1.4	0.5 U	0.5 U	2	0.7	0.6	0.6
Silver	EPA 200.8	1.9	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B		10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	2810	3		3 U	3 U	3 U	5	5	3	50	55	3 U
Zinc	EPA 6010B	81	10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Conventional Parameters (mg/L)													
Total Dissolved Solids	EPA 160.1		5			148		395	391	7450	467		366
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1		0.01			0.063		0.96	0.944	10.5	4.1		1.58
Sulfate	EPA 300.0_SO4		0.1			6.8		0.1 U	0.1 U	22.7	0.8		0.1 U
Sulfide	EPA 376.2		0.05			0.05 U		0.05 U	0.053	0.05 U	0.116		0.05 U
Total Organic Carbon	EPA 415.1		1.5			2.14		9.4	9.18	18.8	31		8.68
pH	FIELD					5.85		6.77		7.15	9.28		10.13
Density (g/mL)	GRAV	-				0.986		0.986	0.986	0.991	0.986		0.986

Table 3-2a: Explanation of Data Qualifiers

Data Qualifier	Explanation
Data Qualifiers Used by the Contract Laboratory – Analytical Resources, Inc.	
U	The compound was analyzed for, but not detected at the reported concentration.
J	Indicates an estimated concentration when a value is less than the calculated reporting limit.
D	Indicates the surrogate/spike(s) was not detected due to dilution of extract.
NR	Indicates the surrogate recovery cannot be reported due to matrix interference.
E	Indicates a value above the linear range of the detector, sample dilution is required.
S	Indicates no value reported due to saturation of the detector, sample dilution required.
NA	Indicates compound was not analyzed for.
M	Indicates an estimated value of analyte found and confirmed by the analyst but with a low spectral match (GC-MS).
B	Indicates possible/probable blank contamination. Flagged when the analyte is detected in the blank as well as in the sample.
Y	Indicates raised reporting limit due to background interference or to activity in the instrument. Compound is still not detected at or above the raised level.
C	Indicates a probable detection that cannot be confirmed due to matrix interferences.
P	Indicates a high RPD between detected concentrations for dual column GC analyses without obvious interference.
H	Holding times have been exceeded. Results and quantitation limits may be biased low.
UI	Results or quantitation limit is elevated due to analytical interference.
Data Validation Qualifiers for Organic Analyses	
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

Table 3-2a: Explanation of Data Qualifiers

UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
Data Validation Qualifiers for Inorganic Analyses	
U	The compound was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-01 10 - 14 2-31-DP-01-10-W-0 9/16/2009	2-31-DP-02 10 - 14 2-31-DP-02-10-W-0 9/24/2009	2-31-DP-02 40 - 44 2-31-DP-02-40-W-0 9/24/2009	2-31-DP-03 10 - 14 2-31-DP-03-10-W-0 9/1/2009	2-31-DP-03 40 - 44 2-31-DP-03-40-W-0 9/1/2009	2-31-DP-04 10 - 14 2-31-DP-04-10-W-0 8/31/2009	2-31-DP-04 40 - 44 2-31-DP-04-40-W-0 8/31/2009	2-31-DP-05 10 - 14 2-31-DP-05-10-W-0 9/2/2009	2-31-DP-05 40 - 44 2-31-DP-05-40-W-0 9/2/2009	2-31-DP-06 10 - 14 2-31-DP-06-10-W-0 9/1/2009	2-31-DP-06 40 - 44 2-31-DP-06-40-W-0 9/2/2009	2-31-DP-07 10 - 14 2-31-DP-07-10-W-0 9/3/2009	2-31-DP-07 40 - 44 2-31-DP-07-40-W-0 9/3/2009	2-31-DP-08 10 - 14 2-31-DP-08-10-W-0 9/14/2009	2-31-DP-08 40 - 44 2-31-DP-08-40-W-0 9/14/2009	2-31-DP-09 12 - 16 2-31-DP-09-12-W-0 9/14/2009	2-31-DP-09 40 - 44 2-31-DP-09-40-W-0 9/14/2009	2-31-DP-10 10 - 14 2-31-DP-10-10-W-0 9/11/2009	2-31-DP-10 40 - 44 2-31-DP-10-40-W-0 9/11/2009	2-31-DP-11 10 - 14 2-31-DP-11-10-W-0 9/2/2009
VOCs (µg/L)																						
Chloromethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.4	0.3	0.5	0.2 U	0.6	0.2 U	51	0.5	0.2 U	0.2 U	1.2	0.2 U	0.5	0.2	5.3
Chloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	EPA 8260C	5		5 U	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
Carbon Disulfide	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2	0.2 U
1,1-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	15	0.2 U	0.2 U	0.2 U	3	0.2 U	0.3	0.2 U	0.2 U
Chloroform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
1,1,1-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	7.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinylether	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl isobutyl ketone	EPA 8260C	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 U
2-Hexanone	EPA 8260C	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	0.2		2.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C	0.4		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrolein	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
Methyl Iodide	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrylonitrile	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UR	0.5 UR	0.5 UR	0.5 UR	0.5 UR	0.5 UR	0.5 U
1,2,3-Trichloropropane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene Dibromide	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.7 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-01 10 - 14 2-31-DP-01-10-W-0 9/16/2009	2-31-DP-02 10 - 14 2-31-DP-02-10-W-0 9/24/2009	2-31-DP-02 40 - 44 2-31-DP-02-40-W-0 9/24/2009	2-31-DP-03 10 - 14 2-31-DP-03-10-W-0 9/1/2009	2-31-DP-03 40 - 44 2-31-DP-03-40-W-0 9/1/2009	2-31-DP-04 10 - 14 2-31-DP-04-10-W-0 8/31/2009	2-31-DP-04 40 - 44 2-31-DP-04-40-W-0 8/31/2009	2-31-DP-05 10 - 14 2-31-DP-05-10-W-0 9/2/2009	2-31-DP-05 40 - 44 2-31-DP-05-40-W-0 9/2/2009	2-31-DP-06 10 - 14 2-31-DP-06-10-W-0 9/1/2009	2-31-DP-06 40 - 44 2-31-DP-06-40-W-0 9/2/2009	2-31-DP-07 10 - 14 2-31-DP-07-10-W-0 9/3/2009	2-31-DP-07 40 - 44 2-31-DP-07-40-W-0 9/3/2009	2-31-DP-08 10 - 14 2-31-DP-08-10-W-0 9/14/2009	2-31-DP-08 40 - 44 2-31-DP-08-40-W-0 9/14/2009	2-31-DP-09 12 - 16 2-31-DP-09-12-W-0 9/14/2009	2-31-DP-09 40 - 44 2-31-DP-09-40-W-0 9/14/2009	2-31-DP-10 10 - 14 2-31-DP-10-10-W-0 9/11/2009	2-31-DP-10 40 - 44 2-31-DP-10-40-W-0 9/11/2009	2-31-DP-11 10 - 14 2-31-DP-11-10-W-0 9/2/2009
SVOCs and PCBs (µg/L)																							
Phenol	EPA 8270D	1			1 U	1 U																	
bis(2-Chloroethyl)ether	EPA 8270D	1			1 U	1 U																	
2-Chlorophenol	EPA 8270D	1			1 U	1 U																	
1,3-Dichlorobenzene	EPA 8270D	1			1 U	1 U																	
1,4-Dichlorobenzene	EPA 8270D	1			1 U	1 U																	
Benzyl Alcohol	EPA 8270D	5			5 U	5 U																	
1,2-Dichlorobenzene	EPA 8270D	1			1 U	1 U																	
2-Methylphenol	EPA 8270D	1			1 U	1 U																	
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	1			1 U	1 U																	
4-Methylphenol	EPA 8270D	1			1 U	1 U																	
N-Nitroso-Di-N-Propylamine	EPA 8270D	5			5 U	5 U																	
Hexachloroethane	EPA 8270D	1			1 U	1 U																	
Nitrobenzene	EPA 8270D	1			1 U	1 U																	
Isophorone	EPA 8270D	1			1 U	1 U																	
2-Nitrophenol	EPA 8270D	5			5 U	5 U																	
2,4-Dimethylphenol	EPA 8270D	1			1 U	1 U																	
Benzoic Acid	EPA 8270D	10			10 U	10 U																	
bis(2-Chloroethoxy)methane	EPA 8270D	1			1 U	1 U																	
2,4-Dichlorophenol	EPA 8270D	5			5 U	5 U																	
1,2,4-Trichlorobenzene	EPA 8270D	1			1 U	1 U																	
Naphthalene	EPA 8270D	1			1 U	1 U																	
4-Chloroaniline	EPA 8270D	5			5 U	5 U																	
Hexachlorobutadiene	EPA 8270D	1			1 U	1 U																	
4-Chloro-3-methylphenol	EPA 8270D	5			5 U	5 U																	
2-Methylnaphthalene	EPA 8270D	1			1 U	1 U																	
Hexachlorocyclopentadiene	EPA 8270D	5			5 UR	5 UR																	
2,4,6-Trichlorophenol	EPA 8270D	5			5 U	5 U																	
2,4,5-Trichlorophenol	EPA 8270D	5			5 U	5 U																	
2-Chloronaphthalene	EPA 8270D	1			1 U	1 U																	
2-Nitroaniline	EPA 8270D	5			5 U	5 U																	
Dimethylphthalate	EPA 8270D	1			1 U	1 U																	
Acenaphthylene	EPA 8270D	1			1 U	1 U																	
3-Nitroaniline	EPA 8270D	5			5 U	5 U																	
Acenaphthene	EPA 8270D	1			1 U	1 U																	
2,4-Dinitrophenol	EPA 8270D	10			10 UJ	10 UJ																	
4-Nitrophenol	EPA 8270D	5			5 U	5 U																	
Dibenzofuran	EPA 8270D	1			1 U	1 U																	
2,6-Dinitrotoluene	EPA 8270D	5			5 U	5 U																	
2,4-Dinitrotoluene	EPA 8270D	5			5 U	5 U																	
Diethylphthalate	EPA 8270D	1			1 U	1 U																	
4-Chlorophenyl-phenylether	EPA 8270D	1			1 U	1 U																	
Fluorene	EPA 8270D	1			1 U	1 U																	
4-Nitroaniline	EPA 8270D	5			5 U	5 U																	
4,6-Dinitro-2-Methylphenol	EPA 8270D	10			10 U	10 U																	
N-Nitrosodiphenylamine	EPA 8270D	1			1 U	1 U																	
4-Bromophenyl-phenylether	EPA 8270D	1			1 U	1 U																	
Hexachlorobenzene	EPA 8270D	1			1 U	1 U																	
Pentachlorophenol	EPA 8270D	5			5 U	5 U																	
Phenanthrene	EPA 8270D	1			1 U	1 U																	
Carbazole	EPA 8270D	1			1 U	1 U																	
Anthracene	EPA 8270D	1			1 U	1 U																	
Di-n-Butylphthalate	EPA 8270D	1			1 U	1 U																	
Fluoranthene	EPA 8270D	1			1 U	1 U																	
Pyrene	EPA 8270D	1			1 U	1 U																	
Butylbenzylphthalate	EPA 8270D	1			1 U	1 U																	
3,3'-Dichlorobenzidine	EPA 8270D	5			5 U	5 U																	
Benzo(a)anthracene	EPA 8270D	1			1 U	1 U																	
bis(2-Ethylhexyl)phthalate	EPA 8270D	1			1.3	1 U																	
Chrysene	EPA 8270D	1			1 U	1 U																	
Di-n-octylphthalate	EPA 8270D	1			1 U	1 U																	

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-01 10 - 14 2-31-DP-01-10-W-0 9/16/2009	2-31-DP-02 10 - 14 2-31-DP-02-10-W-0 9/24/2009	2-31-DP-02 40 - 44 2-31-DP-02-40-W-0 9/24/2009	2-31-DP-03 10 - 14 2-31-DP-03-10-W-0 9/1/2009	2-31-DP-03 40 - 44 2-31-DP-03-40-W-0 9/1/2009	2-31-DP-04 10 - 14 2-31-DP-04-10-W-0 8/31/2009	2-31-DP-04 40 - 44 2-31-DP-04-40-W-0 8/31/2009	2-31-DP-05 10 - 14 2-31-DP-05-10-W-0 9/2/2009	2-31-DP-05 40 - 44 2-31-DP-05-40-W-0 9/2/2009	2-31-DP-06 10 - 14 2-31-DP-06-10-W-0 9/1/2009	2-31-DP-06 40 - 44 2-31-DP-06-40-W-0 9/2/2009	2-31-DP-07 10 - 14 2-31-DP-07-10-W-0 9/3/2009	2-31-DP-07 40 - 44 2-31-DP-07-40-W-0 9/3/2009	2-31-DP-08 10 - 14 2-31-DP-08-10-W-0 9/14/2009	2-31-DP-08 40 - 44 2-31-DP-08-40-W-0 9/14/2009	2-31-DP-09 12 - 16 2-31-DP-09-12-W-0 9/14/2009	2-31-DP-09 40 - 44 2-31-DP-09-40-W-0 9/14/2009	2-31-DP-10 10 - 14 2-31-DP-10-10-W-0 9/11/2009	2-31-DP-10 40 - 44 2-31-DP-10-40-W-0 9/11/2009	2-31-DP-11 10 - 14 2-31-DP-11-10-W-0 9/2/2009
Benzo(b)fluoranthene	EPA 8270D	1			1 U	1 U																	
Benzo(k)fluoranthene	EPA 8270D	1			1 U	1 U																	
Benzo(a)pyrene	EPA 8270D	1			1 U	1 U																	
Indeno(1,2,3-cd)pyrene	EPA 8270D	1			1 U	1 U																	
Dibenz(a,h)anthracene	EPA 8270D	1			1 U	1 U																	
Benzo(g,h,i)perylene	EPA 8270D	1			1 U	1 U																	
1-Methylnaphthalene	EPA 8270D	1			1 U	1 U																	
Naphthalene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
2-Methylnaphthalene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
1-Methylnaphthalene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Acenaphthylene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Acenaphthene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Fluorene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Phenanthrene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Anthracene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Fluoranthene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Pyrene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Benzo(a)anthracene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Chrysene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Benzo(b)fluoranthene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Benzo(k)fluoranthene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Benzo(a)pyrene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Dibenz(a,h)anthracene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Benzo(g,h,i)perylene	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Dibenzofuran	EPA 8270DSIM	0.1			0.1 U	0.1 U																	
Aroclor 1016	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Aroclor 1242	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Aroclor 1248	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Aroclor 1254	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Aroclor 1260	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Aroclor 1221	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Aroclor 1232	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Aroclor 1262	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Aroclor 1268	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Total PCB	EPA 8082	0.01									0.01 U	0.01 U					0.01 U	0.01 U					
Inorganics (µg/L)																							
Cyanide (Total)	EPA 335.2	5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U							
Cyanide (Weak Acid Dissociable)	SM4500CN-I	5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U							
Metals (Total) (µg/L)																							
Aluminum	EPA 6010B	50																					
Antimony	EPA 6010B	50																					
Arsenic	EPA 200.8	0.2																					
Barium	EPA 6010B	3																					
Beryllium	EPA 6010B	1																					
Cadmium	EPA 200.8	0.2																					
Calcium	EPA 6010B	50																					
Chromium	EPA 200.8	0.5																					
Cobalt	EPA 6010B	3																					
Copper	EPA 200.8	0.5																					
Iron	EPA 6010B	50																					
Lead	EPA 200.8	1																					
Magnesium	EPA 6010B	50																					
Manganese	EPA 6010B	1																					
Mercury	EPA 7470A	0.02																					
Molybdenum	EPA 6010B	5																					
Nickel	EPA 200.8	0.5																					
Selenium	EPA 6010B	50																					
Silver	EPA 200.8	0.2																					
Thallium	EPA 200.8	0.2																					
Tin	EPA 6010B	10																					
Vanadium	EPA 6010B	3																					
Zinc	EPA 6010B	10																					

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-01 10 - 14 2-31-DP-01-10-W-0 9/16/2009	2-31-DP-02 10 - 14 2-31-DP-02-10-W-0 9/24/2009	2-31-DP-02 40 - 44 2-31-DP-02-40-W-0 9/24/2009	2-31-DP-03 10 - 14 2-31-DP-03-10-W-0 9/1/2009	2-31-DP-03 40 - 44 2-31-DP-03-40-W-0 9/1/2009	2-31-DP-04 10 - 14 2-31-DP-04-10-W-0 8/31/2009	2-31-DP-04 40 - 44 2-31-DP-04-40-W-0 8/31/2009	2-31-DP-05 10 - 14 2-31-DP-05-10-W-0 9/2/2009	2-31-DP-05 40 - 44 2-31-DP-05-40-W-0 9/2/2009	2-31-DP-06 10 - 14 2-31-DP-06-10-W-0 9/1/2009	2-31-DP-06 40 - 44 2-31-DP-06-40-W-0 9/2/2009	2-31-DP-07 10 - 14 2-31-DP-07-10-W-0 9/3/2009	2-31-DP-07 40 - 44 2-31-DP-07-40-W-0 9/3/2009	2-31-DP-08 10 - 14 2-31-DP-08-10-W-0 9/14/2009	2-31-DP-08 40 - 44 2-31-DP-08-40-W-0 9/14/2009	2-31-DP-09 12 - 16 2-31-DP-09-12-W-0 9/14/2009	2-31-DP-09 40 - 44 2-31-DP-09-40-W-0 9/14/2009	2-31-DP-10 10 - 14 2-31-DP-10-10-W-0 9/11/2009	2-31-DP-10 40 - 44 2-31-DP-10-40-W-0 9/11/2009	2-31-DP-11 10 - 14 2-31-DP-11-10-W-0 9/2/2009
Metals (Dissolved) (µg/L)																						
Aluminum	EPA 6010B	50		50 U	50 U	50 U	240	50 U	1630	50 U	80	50 U	270	50 U	430	260	50 U	50 U	50 U	50 U	50 U	50 U	60
Antimony	EPA 6010B	50		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	0.2		0.5	3.9	0.5 U	8	1.1	10.9	0.4	2.2	1.2	17.4	0.5	56.1	1	11.3	0.5 U	2.1	0.5 U	13.4	0.7	7.4
Barium	EPA 6010B	3		3	16	10	20	12	19	7	12	13	7	9	19	10	9	37	11	16	15	9	14
Beryllium	EPA 6010B	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	EPA 200.8	0.2		0.2 U	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B	50		5850	82200	16000	25300	24900	6540	19900	29100	24800	11800	20000	30200	23500	13000	63100	19300	28500	14100	15900	14400
Chromium	EPA 200.8	0.5		2 U	2 U	2 U	4	2 U	42	2 U	2	1 U	2 U	2 U	12	5 U	2 U	2 U	2 U	2 U	3	2 U	4
Cobalt	EPA 6010B	3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	0.5		0.5 U	3.4	0.5 U	0.7	0.5 U	20.6	0.5 U	0.5 U	0.5 U	2	0.5 U	0.8	1.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.8
Iron	EPA 6010B	50		4430	380	15300	13600	22400	10400	22600	7420	24900	15200	23800	30200	25900	25700	43200	20200	28400	29500	20800	19000
Lead	EPA 200.8	1		1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B	50		5250	11000	18500	16200	10800	6070	11800	11900	12300	9390	12600	15400	13200	12900	63400	11700	24700	13700	11500	10100
Manganese	EPA 6010B	1		237	72	733	374	1050	238	885	167	1040	466	828	981	1040	660	1780	579	996	994	670	451
Mercury	EPA 7470A	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0321	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B	5		6	12	5 U	5	7	6	9	6	5 U	5 U	5	10	5 U	5 U	9	5 U	6	5 U	6	5
Nickel	EPA 200.8	0.5		0.7	2.5	2.9	2.3	9.5	2.8	4.6	1.2	6.7	4.3	8.1	4	8.7	0.9	8.8	1	6.8	2.5	12.7	0.9
Selenium	EPA 6010B	50		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Silver	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	3		9	53	3 U	35	5	204	3 U	5	4	10	3 U	34	3	12	3 U	3 U	3 U	21	3 U	20
Zinc	EPA 6010B	10		10 U	10 U	10 U	10 U	70	10 U	100	10 U	140	10 U	90	10	190	10 U	50	10 U	30	10 U	130	10 U
Petroleum Hydrocarbons (µg/L)																						
TPH - Gasoline Range	NWTPH-Gx	250		250 U	250 U	250 U																
TPH - Diesel Range	NWTPH-Dx-Cleaned	250		250 U	250 U	250 U																
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	500		500 U	500 U	500 U																
Conventional Parameters (mg/L)																						
Total Dissolved Solids	EPA 160.1	5																				
Nitrate (as Nitrogen) (mg-N/L)	EPA 300.0_NO3	0.1																				
Nitrite (as Nitrogen) (mg-N/L)	EPA 300.0_NO2	0.1																				
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1	0.01																				
Sulfate	EPA 300.0_SO4	0.1																				
Sulfide	EPA 376.2	0.05																				
Total Organic Carbon	EPA 415.1	1.5																				
Density (g/mL)	GRAV	-																				

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-11 40 - 44 2-31-DP-11-40-W-0 9/2/2009	2-31-DP-12 10 - 14 2-31-DP-12-10-W-0 9/11/2009	2-31-DP-12 40 - 44 2-31-DP-12-40-W-0 9/11/2009	2-31-DP-13 10 - 14 2-31-DP-13-10-W-0 9/21/2009	2-31-DP-14 12 - 16 2-31-DP-14-12-W-0 9/21/2009	2-31-DP-15 10 - 14 2-31-DP-15-10-W-0 9/15/2009	2-31-DP-16 10 - 14 2-31-DP-16-10-W-0 9/10/2009	2-31-DP-17 10 - 14 2-31-DP-17-10-W-0 9/10/2009	2-31-DP-18 10 - 14 2-31-DP-18-10-W-0 9/10/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-0 9/24/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-1 9/24/2009	2-31-DP-20 10 - 14 2-31-DP-20-10-W-0 9/21/2009	2-31-DP-21 10 - 14 2-31-DP-21-10-W-0 9/15/2009	2-31-DP-22 10 - 14 2-31-DP-22-10-W-0 9/10/2009	2-31-DP-23 10 - 14 2-31-DP-23-10-W-0 9/15/2009	2-31-DP-24 12 - 16 2-31-DP-24-12-W-0 9/3/2009	2-31-DP-25 10 - 14 2-31-DP-25-10-W-0 9/9/2009	2-31-DP-26 10 - 14 2-31-DP-26-10-W-0 9/9/2009	2-31-DP-27 10 - 14 2-31-DP-27-10-W-0 9/15/2009	2-31-DP-28 10 - 14 2-31-DP-28-10-W-0 9/1/2009
VOCs (µg/L)																							
Chloromethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Bromomethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	EPA 8260C	0.2		0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.8	0.2 U	0.2 U
Chloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 U	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 U	5 UR	5 U	5 U	5 UR	5 UR	5 UR	5 U	5 UR
Carbon Disulfide	EPA 8260C	0.2		0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2
1,1-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	1.1	2.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U
Chloroform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
1,1,1-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.2		0.2 U	3.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinylether	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UR	1 U	1 U	1 U
Bromoform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl isobutyl ketone	EPA 8260C	5		5 U	5 UR	5 UR	5 UR	5 UR	5 U	5 UR	5 UR	5 UR	5 U	5 U	5 UR	5 U	5 UR	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	EPA 8260C	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C	0.4		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrolein	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
Methyl Iodide	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U
Bromoethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrylonitrile	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	EPA 8260C	0.5		0.5 U	0.5 UR	0.5 UR	0.5 UR	0.5 UR	0.5 U	0.5 UR	0.5 UR	0.5 UR	0.5 U	0.5 U	0.5 UR	0.5 U	0.5 UR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	EPA 8260C	1		1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene Dibromide	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-11 40 - 44 2-31-DP-11-40-W-0 9/2/2009	2-31-DP-12 10 - 14 2-31-DP-12-10-W-0 9/11/2009	2-31-DP-12 40 - 44 2-31-DP-12-40-W-0 9/11/2009	2-31-DP-13 10 - 14 2-31-DP-13-10-W-0 9/21/2009	2-31-DP-14 12 - 16 2-31-DP-14-12-W-0 9/21/2009	2-31-DP-15 10 - 14 2-31-DP-15-10-W-0 9/15/2009	2-31-DP-16 10 - 14 2-31-DP-16-10-W-0 9/10/2009	2-31-DP-17 10 - 14 2-31-DP-17-10-W-0 9/10/2009	2-31-DP-18 10 - 14 2-31-DP-18-10-W-0 9/10/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-0 9/24/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-1 9/24/2009	2-31-DP-20 10 - 14 2-31-DP-20-10-W-0 9/21/2009	2-31-DP-21 10 - 14 2-31-DP-21-10-W-0 9/15/2009	2-31-DP-22 10 - 14 2-31-DP-22-10-W-0 9/10/2009	2-31-DP-23 10 - 14 2-31-DP-23-10-W-0 9/15/2009	2-31-DP-24 12 - 16 2-31-DP-24-12-W-0 9/3/2009	2-31-DP-25 10 - 14 2-31-DP-25-10-W-0 9/9/2009	2-31-DP-26 10 - 14 2-31-DP-26-10-W-0 9/9/2009	2-31-DP-27 10 - 14 2-31-DP-27-10-W-0 9/15/2009	2-31-DP-28 10 - 14 2-31-DP-28-10-W-0 9/1/2009
SVOCs and PCBs (µg/L)																							
Phenol	EPA 8270D	1					1 U	1 U			1 U												
bis(2-Chloroethyl)ether	EPA 8270D	1					1 U	1 U			1 U												
2-Chlorophenol	EPA 8270D	1					1 U	1 U			1 U												
1,3-Dichlorobenzene	EPA 8270D	1					1 U	1 U			1 U												
1,4-Dichlorobenzene	EPA 8270D	1					1 U	1 U			1 U												
Benzyl Alcohol	EPA 8270D	5					5 U	5 U			5 U												
1,2-Dichlorobenzene	EPA 8270D	1					1 U	1 U			1 U												
2-Methylphenol	EPA 8270D	1					1 U	1 U			1 U												
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	1					1 U	1 U			1 U												
4-Methylphenol	EPA 8270D	1					1 U	1 U			1 U												
N-Nitroso-Di-N-Propylamine	EPA 8270D	5					5 U	5 U			5 U												
Hexachloroethane	EPA 8270D	1					1 U	1 U			1 U												
Nitrobenzene	EPA 8270D	1					1 U	1 U			1 U												
Isophorone	EPA 8270D	1					1 U	1 U			1 U												
2-Nitrophenol	EPA 8270D	5					5 U	5 U			5 U												
2,4-Dimethylphenol	EPA 8270D	1					1 U	1 U			1 U												
Benzoic Acid	EPA 8270D	10					10 U	10 U			10 U												
bis(2-Chloroethoxy)methane	EPA 8270D	1					1 U	1 U			1 U												
2,4-Dichlorophenol	EPA 8270D	5					5 U	5 U			5 U												
1,2,4-Trichlorobenzene	EPA 8270D	1					1 U	1 U			1 U												
Naphthalene	EPA 8270D	1					1 U	1 U			1 U												
4-Chloroaniline	EPA 8270D	5					5 U	5 U			5 U												
Hexachlorobutadiene	EPA 8270D	1					1 U	1 U			1 U												
4-Chloro-3-methylphenol	EPA 8270D	5					5 U	5 U			5 U												
2-Methylnaphthalene	EPA 8270D	1					1 U	1 U			1 U												
Hexachlorocyclopentadiene	EPA 8270D	5					5 UR	5 UR			5 U												
2,4,6-Trichlorophenol	EPA 8270D	5					5 U	5 U			5 U												
2,4,5-Trichlorophenol	EPA 8270D	5					5 U	5 U			5 U												
2-Chloronaphthalene	EPA 8270D	1					1 U	1 U			1 U												
2-Nitroaniline	EPA 8270D	5					5 U	5 U			5 U												
Dimethylphthalate	EPA 8270D	1					1 U	1 U			1 U												
Acenaphthylene	EPA 8270D	1					1 U	1 U			1 U												
3-Nitroaniline	EPA 8270D	5					5 U	5 U			5 U												
Acenaphthene	EPA 8270D	1					1 U	1 U			1 U												
2,4-Dinitrophenol	EPA 8270D	10					10 UJ	10 UJ			10 UJ												
4-Nitrophenol	EPA 8270D	5					5 U	5 U			5 U												
Dibenzofuran	EPA 8270D	1					1 U	1 U			1 U												
2,6-Dinitrotoluene	EPA 8270D	5					5 U	5 U			5 U												
2,4-Dinitrotoluene	EPA 8270D	5					5 U	5 U			5 U												
Diethylphthalate	EPA 8270D	1					1 U	1 U			1 U												
4-Chlorophenyl-phenylether	EPA 8270D	1					1 U	1 U			1 U												
Fluorene	EPA 8270D	1					1 U	1 U			1 U												
4-Nitroaniline	EPA 8270D	5					5 U	5 U			5 U												
4,6-Dinitro-2-Methylphenol	EPA 8270D	10					10 U	10 U			10 U												
N-Nitrosodiphenylamine	EPA 8270D	1					1 U	1 U			1 U												
4-Bromophenyl-phenylether	EPA 8270D	1					1 U	1 U			1 U												
Hexachlorobenzene	EPA 8270D	1					1 U	1 U			1 U												
Pentachlorophenol	EPA 8270D	5					5 U	5 U			5 UR												
Phenanthrene	EPA 8270D	1					1 U	1 U			1 U												
Carbazole	EPA 8270D	1					1 U	1 U			1 U												
Anthracene	EPA 8270D	1					1 U	1 U			1 U												
Di-n-Butylphthalate	EPA 8270D	1					1 U	1 U			1 U												
Fluoranthene	EPA 8270D	1					1 U	1 U			1 U												
Pyrene	EPA 8270D	1					1 U	1 U			1 U												
Butylbenzylphthalate	EPA 8270D	1					1 U	1 U			1 U												
3,3'-Dichlorobenzidine	EPA 8270D	5					5 U	5 U			5 U												
Benzo(a)anthracene	EPA 8270D	1					1 U	1 U			1 U												
bis(2-Ethylhexyl)phthalate	EPA 8270D	1					1 U	1 U			1 U												
Chrysene	EPA 8270D	1					1 U	1 U			1 U												
Di-n-octylphthalate	EPA 8270D	1					1 U	1 U			1 U												

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-11 40 - 44 2-31-DP-11-40-W-0 9/2/2009	2-31-DP-12 10 - 14 2-31-DP-12-10-W-0 9/11/2009	2-31-DP-12 40 - 44 2-31-DP-12-40-W-0 9/11/2009	2-31-DP-13 10 - 14 2-31-DP-13-10-W-0 9/21/2009	2-31-DP-14 12 - 16 2-31-DP-14-12-W-0 9/21/2009	2-31-DP-15 10 - 14 2-31-DP-15-10-W-0 9/15/2009	2-31-DP-16 10 - 14 2-31-DP-16-10-W-0 9/10/2009	2-31-DP-17 10 - 14 2-31-DP-17-10-W-0 9/10/2009	2-31-DP-18 10 - 14 2-31-DP-18-10-W-0 9/10/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-0 9/24/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-1 9/24/2009	2-31-DP-20 10 - 14 2-31-DP-20-10-W-0 9/21/2009	2-31-DP-21 10 - 14 2-31-DP-21-10-W-0 9/15/2009	2-31-DP-22 10 - 14 2-31-DP-22-10-W-0 9/10/2009	2-31-DP-23 10 - 14 2-31-DP-23-10-W-0 9/15/2009	2-31-DP-24 12 - 16 2-31-DP-24-12-W-0 9/3/2009	2-31-DP-25 10 - 14 2-31-DP-25-10-W-0 9/9/2009	2-31-DP-26 10 - 14 2-31-DP-26-10-W-0 9/9/2009	2-31-DP-27 10 - 14 2-31-DP-27-10-W-0 9/15/2009	2-31-DP-28 10 - 14 2-31-DP-28-10-W-0 9/1/2009
Benzo(b)fluoranthene	EPA 8270D	1					1 U	1 U			1 U												
Benzo(k)fluoranthene	EPA 8270D	1					1 U	1 U			1 U												
Benzo(a)pyrene	EPA 8270D	1					1 U	1 U			1 U												
Indeno(1,2,3-cd)pyrene	EPA 8270D	1					1 U	1 U			1 U												
Dibenz(a,h)anthracene	EPA 8270D	1					1 U	1 U			1 U												
Benzo(g,h,i)perylene	EPA 8270D	1					1 U	1 U			1 UJ												
1-Methylnaphthalene	EPA 8270D	1					1 U	1 U			1 U												
Naphthalene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
2-Methylnaphthalene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
1-Methylnaphthalene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Acenaphthylene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Acenaphthene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Fluorene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Phenanthrene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Anthracene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Fluoranthene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Pyrene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Benzo(a)anthracene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Chrysene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Benzo(b)fluoranthene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Benzo(k)fluoranthene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Benzo(a)pyrene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Dibenz(a,h)anthracene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Benzo(g,h,i)perylene	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Dibenzofuran	EPA 8270DSIM	0.1					0.1 U	0.1 U			0.1 U												
Aroclor 1016	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Aroclor 1242	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Aroclor 1248	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Aroclor 1254	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Aroclor 1260	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Aroclor 1221	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Aroclor 1232	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Aroclor 1262	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Aroclor 1268	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Total PCB	EPA 8082	0.01					0.01 U	0.01 U	0.01 U		0.01 U												0.01 U
Inorganics (µg/L)																							
Cyanide (Total)	EPA 335.2	5			5 U	5 U	5 U	5 U			5 U								10	5 U		5 U	5 U
Cyanide (Weak Acid Dissociable)	SM4500CN-I	5			5 U	5 U	5 U	5 U			5 U								5 U	5 U		5 U	5 U
Metals (Total) (µg/L)																							
Aluminum	EPA 6010B	50																					
Antimony	EPA 6010B	50																					
Arsenic	EPA 200.8	0.2																					
Barium	EPA 6010B	3																					
Beryllium	EPA 6010B	1																					
Cadmium	EPA 200.8	0.2																					
Calcium	EPA 6010B	50																					
Chromium	EPA 200.8	0.5																					
Cobalt	EPA 6010B	3																					
Copper	EPA 200.8	0.5																					
Iron	EPA 6010B	50																					
Lead	EPA 200.8	1																					
Magnesium	EPA 6010B	50																					
Manganese	EPA 6010B	1																					
Mercury	EPA 7470A	0.02																					
Molybdenum	EPA 6010B	5																					
Nickel	EPA 200.8	0.5																					
Selenium	EPA 6010B	50																					
Silver	EPA 200.8	0.2																					
Thallium	EPA 200.8	0.2																					
Tin	EPA 6010B	10																					
Vanadium	EPA 6010B	3																					
Zinc	EPA 6010B	10																					

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-11 40 - 44 2-31-DP-11-40-W-0 9/2/2009	2-31-DP-12 10 - 14 2-31-DP-12-10-W-0 9/11/2009	2-31-DP-12 40 - 44 2-31-DP-12-40-W-0 9/11/2009	2-31-DP-13 10 - 14 2-31-DP-13-10-W-0 9/21/2009	2-31-DP-14 12 - 16 2-31-DP-14-12-W-0 9/21/2009	2-31-DP-15 10 - 14 2-31-DP-15-10-W-0 9/15/2009	2-31-DP-16 10 - 14 2-31-DP-16-10-W-0 9/10/2009	2-31-DP-17 10 - 14 2-31-DP-17-10-W-0 9/10/2009	2-31-DP-18 10 - 14 2-31-DP-18-10-W-0 9/10/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-0 9/24/2009	2-31-DP-19 10 - 14 2-31-DP-19-10-W-1 9/24/2009	2-31-DP-20 10 - 14 2-31-DP-20-10-W-0 9/21/2009	2-31-DP-21 10 - 14 2-31-DP-21-10-W-0 9/15/2009	2-31-DP-22 10 - 14 2-31-DP-22-10-W-0 9/10/2009	2-31-DP-23 10 - 14 2-31-DP-23-10-W-0 9/15/2009	2-31-DP-24 12 - 16 2-31-DP-24-12-W-0 9/3/2009	2-31-DP-25 10 - 14 2-31-DP-25-10-W-0 9/9/2009	2-31-DP-26 10 - 14 2-31-DP-26-10-W-0 9/9/2009	2-31-DP-27 10 - 14 2-31-DP-27-10-W-0 9/15/2009	2-31-DP-28 10 - 14 2-31-DP-28-10-W-0 9/1/2009
Metals (Dissolved) (µg/L)																							
Aluminum	EPA 6010B	50		800	80	100 U	50 U	70	50	50 U	50 U	50 U	50 U	50 U	60	50 U	50 U	50 U	460	50 U	690	100	380
Antimony	EPA 6010B	50		50 U	50 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	0.2		0.8	0.5 U	0.5 U	1.3	1.7	5.2	0.4	44.8	2.4	8.4	8.2	9.2	1.7	5.3	0.5	2.7	0.8	7.2	5.1	2.9
Barium	EPA 6010B	3		15	97	242	10	6	13	5	18	6	5	6	15	9	8	9	10	5	22	5	8
Beryllium	EPA 6010B	1		1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	EPA 200.8	0.2		0.2 U	0.3	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B	50		21300	75200	340000	43800	22600	24900	16300	24300	35900	10800	11000	17400	31500	19200	17400	8640	6500	11900	4520	5060
Chromium	EPA 200.8	0.5		4	3	1 U	2 U	2 U	6	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	16	3	36	8	12
Cobalt	EPA 6010B	3		3 U	3 U	6 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	4	4	3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	0.5		3.2	3.1	5	0.5 U	0.5 U	0.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.5	2	0.5 U	7.1	0.5 U	13	1.1	1.7
Iron	EPA 6010B	50		26100	240	106000	33100	16600	8980	5090	58400	5210	23300	23400	47800	210	660	17900	9400	6680	7820	7010	4930
Lead	EPA 200.8	1		1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B	50		15100	206000	586000	10600	8670	9950	15600	20700	6010	9830	9880	16900	18200	15900	24000	15300	12400	17800	6220	7620
Manganese	EPA 6010B	1		739	15	4700	889	542	393	133	1100	58	592	585	824	242	647	2800	315	227	390	173	159
Mercury	EPA 7470A	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B	5		5 U	8	20	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6	5 U	5 U	5 U	5 U	8	5 U	7
Nickel	EPA 200.8	0.5		5.5	6.7	16	0.7	0.5 U	1.9	2.1	2.1	1.1	0.8	0.8	3.6	8.3	8	1	3.8	0.7	5	1.4	3.3
Selenium	EPA 6010B	50		50 U	50 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Silver	EPA 200.8	0.2		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	10		10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	3		5	3 U	6 U	3 U	3 U	29	3 U	3 U	3 U	3 U	3 U	3 U	15	38	3	76	18	224	46	64
Zinc	EPA 6010B	10		60	10	130	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20	10 U	10 U	10 U	10 U	10 U	10 U
Petroleum Hydrocarbons (µg/L)																							
TPH - Gasoline Range	NWTPH-Gx	250																					
TPH - Diesel Range	NWTPH-Dx-Cleaned	250																					
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	500																					
Conventional Parameters (mg/L)																							
Total Dissolved Solids	EPA 160.1	5																					
Nitrate (as Nitrogen) (mg-N/L)	EPA 300.0_NO3	0.1																					
Nitrite (as Nitrogen) (mg-N/L)	EPA 300.0_NO2	0.1																					
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1	0.01																					
Sulfate	EPA 300.0_SO4	0.1																					
Sulfide	EPA 376.2	0.05																					
Total Organic Carbon	EPA 415.1	1.5																					
Density (g/mL)	GRAV	-																					

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-29 10 - 14 2-31-DP-29-10-W-0 9/8/2009	2-31-DP-30 10 - 14 2-31-DP-30-10-W-0 9/15/2009	2-31-DP-31 10 - 14 2-31-DP-31-10-W-0 8/31/2009	2-31-DP-32 10 - 14 2-31-DP-32-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-1 8/31/2009	2-31-DP-34 10 - 14 2-31-DP-34-10-W-0 9/2/2009	2-31-DP-35 12 - 16 2-31-DP-35-12-W-0 9/8/2009	2-31-DP-36 10 - 14 2-31-DP-36-10-W-0 9/1/2009	2-31-DP-37 10 - 14 2-31-DP-37-10-W-0 9/8/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 9/3/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 Dilution 9/3/2009	2-31-DP-39 10 - 14 2-31-DP-39-10-W-0 9/16/2009	2-31-DP-39 40 - 44 2-31-DP-39-40-W-0 9/16/2009	2-31-DP-39 68 - 72 2-31-DP-39-68-W-0 9/17/2009	2-31-DP-40 10 - 14 2-31-DP-40-10-W-0 9/2/2009	2-31-DP-41 10 - 14 2-31-DP-41-10-W-0 9/8/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-0 9/14/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-1 9/14/2009	2-31-DP-43 10 - 14 2-31-DP-43-10-W-0 9/8/2009
VOCs (µg/L)																							
Chloromethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	EPA 8260C	0.2		0.2	0.2 U	1.2	0.5	0.3	0.3	0.4	1.4	2.6	0.4	1600 ES	3600	0.7	0.2 U	0.2 U	1.7	0.8	0.9	0.8	0.2 U
Chloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	63 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	EPA 8260C	5		5.2 U	5 U	5 UR	5 UR	5 UR	5 UR	5.2 U	5 UR	5 UR	5 UR	5 UR	500 UR	5 U	5 U	5 U	5 UR	5 UR	5 UR	5 UR	5 UR
Carbon Disulfide	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.2	20 U	0.2 U	0.2 U	0.2 U	0.5	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	250 E	310	0.2 U	0.2 U	0.2 U	0.4	0.4	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.5	0.2 U	280 E	350	0.2 U	0.2 U	0.2 U	21	0.2	0.3	0.3	1.1
Chloroform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	500 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
1,1,1-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2	20 U	0.2 U	0.2 U	0.2 U	1.9	0.2 U	1.5	1.5	2.9
Dibromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	1.3	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinylether	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl isobutyl ketone	EPA 8260C	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 UR	5 UR	5 U
2-Hexanone	EPA 8260C	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2.3	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C	0.4		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	40 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrolein	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	500 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
Methyl Iodide	EPA 8260C	1		1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	100 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ
Bromoethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrylonitrile	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UR	0.5 UR	0.5 U
1,2,3-Trichloropropane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	100 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene Dibromide	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	20 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-29 10 - 14 2-31-DP-29-10-W-0 9/8/2009	2-31-DP-30 10 - 14 2-31-DP-30-10-W-0 9/15/2009	2-31-DP-31 10 - 14 2-31-DP-31-10-W-0 8/31/2009	2-31-DP-32 10 - 14 2-31-DP-32-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-1 8/31/2009	2-31-DP-34 10 - 14 2-31-DP-34-10-W-0 9/2/2009	2-31-DP-35 12 - 16 2-31-DP-35-12-W-0 9/8/2009	2-31-DP-36 10 - 14 2-31-DP-36-10-W-0 9/1/2009	2-31-DP-37 10 - 14 2-31-DP-37-10-W-0 9/8/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 9/3/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 Dilution 9/3/2009	2-31-DP-39 10 - 14 2-31-DP-39-10-W-0 9/16/2009	2-31-DP-39 40 - 44 2-31-DP-39-40-W-0 9/16/2009	2-31-DP-39 68 - 72 2-31-DP-39-68-W-0 9/17/2009	2-31-DP-40 10 - 14 2-31-DP-40-10-W-0 9/2/2009	2-31-DP-41 10 - 14 2-31-DP-41-10-W-0 9/8/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-0 9/14/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-1 9/14/2009	2-31-DP-43 10 - 14 2-31-DP-43-10-W-0 9/8/2009
SVOCs and PCBs (µg/L)																							
Phenol	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
bis(2-Chloroethyl)ether	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
2-Chlorophenol	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
1,3-Dichlorobenzene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
1,4-Dichlorobenzene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Benzyl Alcohol	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
1,2-Dichlorobenzene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
2-Methylphenol	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
4-Methylphenol	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
N-Nitroso-Di-N-Propylamine	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
Hexachloroethane	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Nitrobenzene	EPA 8270D	1												1 UJ		1 U	1 U	1 U	1 UJ	1 U			
Isophorone	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
2-Nitrophenol	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
2,4-Dimethylphenol	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Benzoic Acid	EPA 8270D	10												10 UR		10 U	10 U	10 UJ	10 UR	10 U			
bis(2-Chloroethoxy)methane	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
2,4-Dichlorophenol	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
1,2,4-Trichlorobenzene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Naphthalene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
4-Chloroaniline	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
Hexachlorobutadiene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
4-Chloro-3-methylphenol	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
2-Methylnaphthalene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Hexachlorocyclopentadiene	EPA 8270D	5												5 U		5 UR	5 UR	5 U	5 U	5 U			
2,4,6-Trichlorophenol	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
2,4,5-Trichlorophenol	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
2-Chloronaphthalene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
2-Nitroaniline	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
Dimethylphthalate	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Acenaphthylene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
3-Nitroaniline	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
Acenaphthene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
2,4-Dinitrophenol	EPA 8270D	10												10 UR		10 UR	10 UR	10 UJ	10 UR	10 UJ			
4-Nitrophenol	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
Dibenzofuran	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
2,6-Dinitrotoluene	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
2,4-Dinitrotoluene	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
Diethylphthalate	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
4-Chlorophenyl-phenylether	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Fluorene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
4-Nitroaniline	EPA 8270D	5												5 U		5 U	5 U	5 U	5 U	5 U			
4,6-Dinitro-2-Methylphenol	EPA 8270D	10												10 UR		10 UR	10 UR	10 U	10 UR	10 UR			
N-Nitrosodiphenylamine	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
4-Bromophenyl-phenylether	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Hexachlorobenzene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Pentachlorophenol	EPA 8270D	5												5 U		5 UR	5 UR	5 U	5 U	5 UR			
Phenanthrene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Carbazole	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Anthracene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Di-n-Butylphthalate	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Fluoranthene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Pyrene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Butylbenzylphthalate	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
3,3'-Dichlorobenzidine	EPA 8270D	5												5 U		5 UJ	5 UJ	5 U	5 U	5 U			
Benzo(a)anthracene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
bis(2-Ethylhexyl)phthalate	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Chrysene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Di-n-octylphthalate	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-29 10 - 14 2-31-DP-29-10-W-0 9/8/2009	2-31-DP-30 10 - 14 2-31-DP-30-10-W-0 9/15/2009	2-31-DP-31 10 - 14 2-31-DP-31-10-W-0 8/31/2009	2-31-DP-32 10 - 14 2-31-DP-32-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-1 8/31/2009	2-31-DP-34 10 - 14 2-31-DP-34-10-W-0 9/2/2009	2-31-DP-35 12 - 16 2-31-DP-35-12-W-0 9/8/2009	2-31-DP-36 10 - 14 2-31-DP-36-10-W-0 9/1/2009	2-31-DP-37 10 - 14 2-31-DP-37-10-W-0 9/8/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 9/3/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 Dilution 9/3/2009	2-31-DP-39 10 - 14 2-31-DP-39-10-W-0 9/16/2009	2-31-DP-39 40 - 44 2-31-DP-39-40-W-0 9/16/2009	2-31-DP-39 68 - 72 2-31-DP-39-68-W-0 9/17/2009	2-31-DP-40 10 - 14 2-31-DP-40-10-W-0 9/2/2009	2-31-DP-41 10 - 14 2-31-DP-41-10-W-0 9/8/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-0 9/14/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-1 9/14/2009	2-31-DP-43 10 - 14 2-31-DP-43-10-W-0 9/8/2009
Benzo(b)fluoranthene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Benzo(k)fluoranthene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Benzo(a)pyrene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Indeno(1,2,3-cd)pyrene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Dibenz(a,h)anthracene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Benzo(g,h,i)perylene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
1-Methylnaphthalene	EPA 8270D	1												1 U		1 U	1 U	1 U	1 U	1 U			
Naphthalene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
2-Methylnaphthalene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
1-Methylnaphthalene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Acenaphthylene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Acenaphthene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Fluorene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Phenanthrene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Anthracene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Fluoranthene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Pyrene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Benzo(a)anthracene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Chrysene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Benzo(b)fluoranthene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Benzo(k)fluoranthene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Benzo(a)pyrene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Dibenz(a,h)anthracene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Benzo(g,h,i)perylene	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Dibenzofuran	EPA 8270DSIM	0.1												0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U			
Aroclor 1016	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Aroclor 1242	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Aroclor 1248	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Aroclor 1254	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Aroclor 1260	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Aroclor 1221	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Aroclor 1232	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Aroclor 1262	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Aroclor 1268	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Total PCB	EPA 8082	0.01			0.01 U	0.01 U						0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U					
Inorganics (µg/L)																							
Cyanide (Total)	EPA 335.2	5		5 U												5 U	5 U	5 U					
Cyanide (Weak Acid Dissociable)	SM4500CN-I	5		5 U												5 U	5 U	5 U					
Metals (Total) (µg/L)																							
Aluminum	EPA 6010B	50																					
Antimony	EPA 6010B	50																					
Arsenic	EPA 200.8	0.2																					
Barium	EPA 6010B	3																					
Beryllium	EPA 6010B	1																					
Cadmium	EPA 200.8	0.2																					
Calcium	EPA 6010B	50																					
Chromium	EPA 200.8	0.5																					
Cobalt	EPA 6010B	3																					
Copper	EPA 200.8	0.5																					
Iron	EPA 6010B	50																					
Lead	EPA 200.8	1																					
Magnesium	EPA 6010B	50																					
Manganese	EPA 6010B	1																					
Mercury	EPA 7470A	0.02																					
Molybdenum	EPA 6010B	5																					
Nickel	EPA 200.8	0.5																					
Selenium	EPA 6010B	50																					
Silver	EPA 200.8	0.2																					
Thallium	EPA 200.8	0.2																					
Tin	EPA 6010B	10																					
Vanadium	EPA 6010B	3																					
Zinc	EPA 6010B	10																					

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-29 10 - 14 2-31-DP-29-10-W-0 9/8/2009	2-31-DP-30 10 - 14 2-31-DP-30-10-W-0 9/15/2009	2-31-DP-31 10 - 14 2-31-DP-31-10-W-0 8/31/2009	2-31-DP-32 10 - 14 2-31-DP-32-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-0 8/31/2009	2-31-DP-33 10 - 14 2-31-DP-33-10-W-1 8/31/2009	2-31-DP-34 10 - 14 2-31-DP-34-10-W-0 9/2/2009	2-31-DP-35 12 - 16 2-31-DP-35-12-W-0 9/8/2009	2-31-DP-36 10 - 14 2-31-DP-36-10-W-0 9/1/2009	2-31-DP-37 10 - 14 2-31-DP-37-10-W-0 9/8/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 9/3/2009	2-31-DP-38 12 - 16 2-31-DP-38-12-W-0 Dilution 9/3/2009	2-31-DP-39 10 - 14 2-31-DP-39-10-W-0 9/16/2009	2-31-DP-39 40 - 44 2-31-DP-39-40-W-0 9/16/2009	2-31-DP-39 68 - 72 2-31-DP-39-68-W-0 9/17/2009	2-31-DP-40 10 - 14 2-31-DP-40-10-W-0 9/2/2009	2-31-DP-41 10 - 14 2-31-DP-41-10-W-0 9/8/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-0 9/14/2009	2-31-DP-42 10 - 14 2-31-DP-42-10-W-1 9/14/2009	2-31-DP-43 10 - 14 2-31-DP-43-10-W-0 9/8/2009
Metals (Dissolved) (µg/L)																							
Aluminum	EPA 6010B	50		100	50 U	250	680	1970	880	70	250	120	50 U	180		100	50 U	50 U	370	50 U	50 U	50 U	50
Antimony	EPA 6010B	50		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	0.2		1.7	2.4	4.4	5.2	6.2	6.7	7	14.8	14.6	18.4	14.5		1	0.5 U	1 U	7.8	7.5	0.9	0.9	3.1
Barium	EPA 6010B	3		10	5	21	13	18	12	10	7	13	14	10		9	7	79	16	8	9	9	4
Beryllium	EPA 6010B	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B	50		20900	11400	15800	8100	4100	3870	13400	11700	12800	12900	8680		18500	16000	153000	18700	8650	34600	35700	5750
Chromium	EPA 200.8	0.5		6	3	15	24	27	26	3	2 U	9	2 U	6		2 U	5 U	1 U	47	3	2 U	2 U	14
Cobalt	EPA 6010B	3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U		3 U	3 U	3	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	0.5		1.2	0.6	2.7	5.9	16.3	16.3	0.8	0.8	0.9	0.5 U	1.2		0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.6	0.7	6.4
Iron	EPA 6010B	50		4760	13800	19600	5980	8330	7870	14200	18700	25000	22500	20400		10800	20100	12400	13700	20600	220	240	260
Lead	EPA 200.8	1		1 U	1 U	1 U	1 U	1	1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B	50		9140	13600	16100	5010	4400	4270	11800	10000	11000	12000	6870		12400	12100	346000	13900	12600	10100	10200	4210
Manganese	EPA 6010B	1		178	419	643	239	153	151	608	610	722	804	482		572	637	392	780	946	186	188	199
Mercury	EPA 7470A	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B	5		5 U	5 U	5 U	7	5	9	5 U	5 U	5 U	5 U	5 U		5 U	5 U	8	22	5 U	5 U	5	9
Nickel	EPA 200.8	0.5		3.8	1.3	2	18.9	5.1	5	1.2	1.3	2.5	0.9	1.2		1.2	2.7	13	1	1.2	2.1	1.3	7.4
Selenium	EPA 6010B	50		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Silver	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	3		36	19	69	96	131	132	16	6	49	14	26		6	3 U	3 U	14	11	3 U	3 U	39
Zinc	EPA 6010B	10		10 U	10 U	10 U	10 U	10	10	10 U	10 U	10 U	10 U	10 U		10 U	10 U	10 U	10 U	10 U	10 U	10 U	20
Petroleum Hydrocarbons (µg/L)																							
TPH - Gasoline Range	NWTPH-Gx	250		250 U												250 U	250 U	250 U					
TPH - Diesel Range	NWTPH-Dx-Cleaned	250		250 U												250 U	250 U	250 U					
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	500		500 U												500 U	500 U	500 U					
Conventional Parameters (mg/L)																							
Total Dissolved Solids	EPA 160.1	5														266	342	7410					
Nitrate (as Nitrogen) (mg-N/L)	EPA 300.0_NO3	0.1														0.1 U	0.1 U	0.5 U					
Nitrite (as Nitrogen) (mg-N/L)	EPA 300.0_NO2	0.1														0.1 U	0.1 U	0.5 U					
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1	0.01														4.26	1.62	14.8					
Sulfate	EPA 300.0_SO4	0.1														0.1 U	0.1 U	0.7					
Sulfide	EPA 376.2	0.05														0.05 U	0.05 U	0.05 U					
Total Organic Carbon	EPA 415.1	1.5														6.47	12.5	19.9					
Density (g/mL)	GRAV	-														0.992	0.987	0.992					

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-44 10 - 14 2-31-DP-44-10-W-0 9/21/2009	2-31-DP-45 10 - 14 2-31-DP-45-10-W-0 9/9/2009	2-31-DP-46 10 - 14 2-31-DP-46-10-W-0 9/9/2009	2-31-DP-47 10 - 14 2-31-DP-47-10-W-0 9/8/2009	2-31-DP-48 10 - 14 2-31-DP-48-10-W-0 9/3/2009	2-31-DP-49 10 - 14 2-31-DP-49-10-W-0 9/8/2009	2-31-DP-50 10 - 14 2-31-DP-50-10-W-0 9/9/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-0 10/6/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-1 10/6/2009	PL2-501A 10 - 20 2-31-PL2-501A-W-0 10/2/2009	PL2-501B 40 - 50 2-31-PL2-501B-W-0 10/2/2009	PL2-501C 68 - 78 2-31-PL2-501C-W-0 10/2/2009	PL2-502A 8 - 18 2-31-PL2-502A-W-0 10/1/2009	PL2-503A 7 - 17.5 2-31-PL2-503A-W-0 10/1/2009	PL2-504A 4.2 - 14.7 2-31-PL2-504A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-1 10/5/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-0 10/6/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-1 10/6/2009
VOCs (µg/L)																						
Chloromethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
Carbon Disulfide	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1	1
1,2-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
1,1,1-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinylether	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UR	1 U	1 UR	1 UR	1 U	1 U	1 U	1 U	1 U
Bromoform	EPA 8260C	0.2		0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl isobutyl ketone	EPA 8260C	5		5 UR	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	EPA 8260C	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	0.2		0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C	0.4		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	EPA 8260C	0.2		1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	0.2		0.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C	0.2		0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrolein	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
Methyl Iodide	EPA 8260C	1		1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrylonitrile	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	EPA 8260C	0.5		0.5 UR	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	EPA 8260C	1		1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene Dibromide	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	0.5		0.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-44 10 - 14 2-31-DP-44-10-W-0 9/21/2009	2-31-DP-45 10 - 14 2-31-DP-45-10-W-0 9/9/2009	2-31-DP-46 10 - 14 2-31-DP-46-10-W-0 9/9/2009	2-31-DP-47 10 - 14 2-31-DP-47-10-W-0 9/8/2009	2-31-DP-48 10 - 14 2-31-DP-48-10-W-0 9/3/2009	2-31-DP-49 10 - 14 2-31-DP-49-10-W-0 9/8/2009	2-31-DP-50 10 - 14 2-31-DP-50-10-W-0 9/9/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-0 10/6/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-1 10/6/2009	PL2-501A 10 - 20 2-31-PL2-501A-W-0 10/2/2009	PL2-501B 40 - 50 2-31-PL2-501B-W-0 10/2/2009	PL2-501C 68 - 78 2-31-PL2-501C-W-0 10/2/2009	PL2-502A 8 - 18 2-31-PL2-502A-W-0 10/1/2009	PL2-503A 7 - 17.5 2-31-PL2-503A-W-0 10/1/2009	PL2-504A 4.2 - 14.7 2-31-PL2-504A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-1 10/5/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-0 10/6/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-1 10/6/2009
SVOCs and PCBs (µg/L)																						
Phenol	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
bis(2-Chloroethyl)ether	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
2-Chlorophenol	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
1,3-Dichlorobenzene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
1,4-Dichlorobenzene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Benzyl Alcohol	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
1,2-Dichlorobenzene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
2-Methylphenol	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
4-Methylphenol	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
N-Nitroso-Di-N-Propylamine	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
Hexachloroethane	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Nitrobenzene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Isophorone	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
2-Nitrophenol	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
2,4-Dimethylphenol	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Benzoic Acid	EPA 8270D	10									10 U	10 U				10 UR	10 U	10 U	10 U		10 U	
bis(2-Chloroethoxy)methane	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
2,4-Dichlorophenol	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
1,2,4-Trichlorobenzene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Naphthalene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
4-Chloroaniline	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
Hexachlorobutadiene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
4-Chloro-3-methylphenol	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
2-Methylnaphthalene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Hexachlorocyclopentadiene	EPA 8270D	5									5 U	5 U				5 UR	5 UR	5 U	5 U		5 U	
2,4,6-Trichlorophenol	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
2,4,5-Trichlorophenol	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
2-Chloronaphthalene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
2-Nitroaniline	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
Dimethylphthalate	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Acenaphthylene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
3-Nitroaniline	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
Acenaphthene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1.5		1 U	
2,4-Dinitrophenol	EPA 8270D	10									10 U	10 U				10 UJ	10 UJ	10 U	10 U		10 U	
4-Nitrophenol	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
Dibenzofuran	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
2,6-Dinitrotoluene	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
2,4-Dinitrotoluene	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
Diethylphthalate	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
4-Chlorophenyl-phenylether	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Fluorene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
4-Nitroaniline	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
4,6-Dinitro-2-Methylphenol	EPA 8270D	10									10 U	10 U				10 U	10 U	10 U	10 U		10 U	
N-Nitrosodiphenylamine	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
4-Bromophenyl-phenylether	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Hexachlorobenzene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Pentachlorophenol	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
Phenanthrene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Carbazole	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Anthracene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Di-n-Butylphthalate	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Fluoranthene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Pyrene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Butylbenzylphthalate	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
3,3'-Dichlorobenzidine	EPA 8270D	5									5 U	5 U				5 U	5 U	5 U	5 U		5 U	
Benzo(a)anthracene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
bis(2-Ethylhexyl)phthalate	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Chrysene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Di-n-octylphthalate	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-44 10 - 14 2-31-DP-44-10-W-0 9/21/2009	2-31-DP-45 10 - 14 2-31-DP-45-10-W-0 9/9/2009	2-31-DP-46 10 - 14 2-31-DP-46-10-W-0 9/9/2009	2-31-DP-47 10 - 14 2-31-DP-47-10-W-0 9/8/2009	2-31-DP-48 10 - 14 2-31-DP-48-10-W-0 9/3/2009	2-31-DP-49 10 - 14 2-31-DP-49-10-W-0 9/8/2009	2-31-DP-50 10 - 14 2-31-DP-50-10-W-0 9/9/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-0 10/6/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-1 10/6/2009	PL2-501A 10 - 20 2-31-PL2-501A-W-0 10/2/2009	PL2-501B 40 - 50 2-31-PL2-501B-W-0 10/2/2009	PL2-501C 68 - 78 2-31-PL2-501C-W-0 10/2/2009	PL2-502A 8 - 18 2-31-PL2-502A-W-0 10/1/2009	PL2-503A 7 - 17.5 2-31-PL2-503A-W-0 10/1/2009	PL2-504A 4.2 - 14.7 2-31-PL2-504A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-1 10/5/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-0 10/6/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-1 10/6/2009
Benzo(b)fluoranthene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Benzo(k)fluoranthene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Benzo(a)pyrene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Indeno(1,2,3-cd)pyrene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Dibenz(a,h)anthracene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
Benzo(g,h,i)perylene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	1 U		1 U	
1-Methylnaphthalene	EPA 8270D	1									1 U	1 U				1 U	1 U	1 U	3.7		1 U	
Naphthalene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 M		0.1 U	
2-Methylnaphthalene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
1-Methylnaphthalene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	2.5		0.1 U	
Acenaphthylene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Acenaphthene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	1.3		0.1 U	
Fluorene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.41		0.1 U	
Phenanthrene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.22	0.1 U	0.14		0.1 U	
Anthracene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.13		0.1 U	
Fluoranthene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.21	0.1 U	0.1 U		0.1 U	
Pyrene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.16	0.1 U	0.1 U		0.1 U	
Benzo(a)anthracene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Chrysene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Benzo(b)fluoranthene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Benzo(k)fluoranthene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Benzo(a)pyrene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Dibenz(a,h)anthracene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Benzo(g,h,i)perylene	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Dibenzofuran	EPA 8270DSIM	0.1									0.1 U	0.1 U				0.1 U	0.1 U	0.1 U	0.11		0.1 U	
Aroclor 1016	EPA 8082	0.01		0.01 U	0.01 U	0.01 U	0.01 U			0.01 U						0.01 U					0.01 U	0.01 U
Aroclor 1242	EPA 8082	0.01		0.01 U	0.01 U	0.01 U	0.01 U			0.01 U						0.01 U					0.01 U	0.01 U
Aroclor 1248	EPA 8082	0.01		0.01 U	0.01 U	0.01 U	0.01 U			0.01 U						0.01 U					0.01 U	0.01 U
Aroclor 1254	EPA 8082	0.01		0.01 U	0.025	0.01 U	0.01 U			0.019						0.01 U					0.01 U	0.01 U
Aroclor 1260	EPA 8082	0.01		0.031	0.044	0.01 U	0.01 U			0.01 U						0.01 U					0.01 U	0.01 U
Aroclor 1221	EPA 8082	0.01		0.01 U	0.01 U	0.01 U	0.01 U			0.01 U						0.01 U					0.01 U	0.01 U
Aroclor 1232	EPA 8082	0.01		0.012 Y	0.01 U	0.01 U	0.01 U			0.01 U						0.01 U					0.01 U	0.01 U
Aroclor 1262	EPA 8082	0.01		0.01 U	0.01 U	0.01 U	0.01 U			0.01 U						0.01 U					0.01 U	0.01 U
Aroclor 1268	EPA 8082	0.01		0.01 U	0.01 U	0.01 U	0.01 U			0.01 U						0.01 U					0.01 U	0.01 U
Total PCB	EPA 8082	0.01		0.031	0.069	0.01 U	0.01 U			0.019						0.01 U					0.01 U	0.01 U
Inorganics (µg/L)																						
Cyanide (Total)	EPA 335.2	5						16	5 U		5 U	5 U	5 U	5 U		5 U					5 U	5 U
Cyanide (Weak Acid Dissociable)	SM4500CN-I	5						5 U	5 U		5 U	5 U	5 U	5 U		5 U					5 U	5 U
Metals (Total) (µg/L)																						
Aluminum	EPA 6010B	50									50 U	60	100	50 U	100 U	80	270	390	50 U		50 U	
Antimony	EPA 6010B	50									50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U	50 U		50 U	
Arsenic	EPA 200.8	0.2									3.6	5.4	2.5	0.5 U	137	2.2	1.2	1.5	0.4		1.1	
Barium	EPA 6010B	3									8	7	7	7	626	5	14	8	13		3 U	
Beryllium	EPA 6010B	1									1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U		1 U	
Cadmium	EPA 200.8	0.2									0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2	0.3	0.2 U		0.2 U	
Calcium	EPA 6010B	50									11800	11500	7550	23700	845000	24100	12900	13200	50300		23500	
Chromium	EPA 200.8	0.5									3	10	5 U	5 U	2 U	6	45	35	2 U		0.5 U	
Cobalt	EPA 6010B	3									3 U	3 U	3 U	3 U	6 U	3 U	3 U	3 U	3 U		3 U	
Copper	EPA 200.8	0.5									0.5 U	1.5	1.7	0.5 U	14	1.3	6.2	14.7	0.5		1	
Iron	EPA 6010B	50									12500	12700	11600	23500	27700	11200	4670	1280	2550		960	
Lead	EPA 200.8	1									1 U	1 U	1 U	1 U	5 U	1 U	1	1	1 U		1 U	
Magnesium	EPA 6010B	50									18300	17600	11800	13500	773000	11900	9930	2920	9190		4560	
Manganese	EPA 6010B	1									248	244	284	988	4810	573	391	126	670		21	
Mercury	EPA 7470A	0.02									0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.0311	0.02 U		0.02 U	
Molybdenum	EPA 6010B	5									5 U	5 U	5 U	5 U	30	5 U	5 U	5 U	5 U		5 U	
Nickel	EPA 200.8	0.5									0.6	0.8	0.5 U	0.5 U	32	0.9	1.8	0.9	0.6		1.4	
Selenium	EPA 6010B	50									50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U	50 U		50 U	
Silver	EPA 200.8	0.2									0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	1 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	
Thallium	EPA 200.8	0.2									0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	
Tin	EPA 6010B	10									10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U		10 U	
Vanadium	EPA 6010B	3									10	11	15	3 U	6 U	8	14	31	3 U		3 U	
Zinc	EPA 6010B	10									10 U	20	10 U	10 U	30	10	10	10 U	10 U		10 U	

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-44 10 - 14 2-31-DP-44-10-W-0 9/21/2009	2-31-DP-45 10 - 14 2-31-DP-45-10-W-0 9/9/2009	2-31-DP-46 10 - 14 2-31-DP-46-10-W-0 9/9/2009	2-31-DP-47 10 - 14 2-31-DP-47-10-W-0 9/8/2009	2-31-DP-48 10 - 14 2-31-DP-48-10-W-0 9/3/2009	2-31-DP-49 10 - 14 2-31-DP-49-10-W-0 9/8/2009	2-31-DP-50 10 - 14 2-31-DP-50-10-W-0 9/9/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-0 10/6/2009	PL2-233A 10 - 25 2-31-PL2-233A-W-1 10/6/2009	PL2-501A 10 - 20 2-31-PL2-501A-W-0 10/2/2009	PL2-501B 40 - 50 2-31-PL2-501B-W-0 10/2/2009	PL2-501C 68 - 78 2-31-PL2-501C-W-0 10/2/2009	PL2-502A 8 - 18 2-31-PL2-502A-W-0 10/1/2009	PL2-503A 7 - 17.5 2-31-PL2-503A-W-0 10/1/2009	PL2-504A 4.2 - 14.7 2-31-PL2-504A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-0 10/5/2009	PL2-505A 9 - 24.5 2-31-PL2-505A-W-1 10/5/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-0 10/6/2009	PL2-507A 8 - 18 2-31-PL2-507A-W-1 10/6/2009
Metals (Dissolved) (µg/L)																						
Aluminum	EPA 6010B	50		50 U	50 U	50 U	1860	190	50 U	50 U	50 U	50 U	50 U	50 U	100 U	80	110	130	50 U	50 U	50 U	50 U
Antimony	EPA 6010B	50		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	0.2		6.1	1.1	0.2	1.9	2	0.6	1.1	3.6	3.9	2.6	0.5 U	135	2.2	1	0.9	0.4	0.4	1	1.1
Barium	EPA 6010B	3		28	22	19	13	8	9	36	7	8	6	6	616	5	12	5	11	10	3 U	3 U
Beryllium	EPA 6010B	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B	50		170000	59500	88900	4520	12500	12300	32400	11400	11600	7320	24300	812000 J	23100	12800	13100	49300	49600	24300	23500
Chromium	EPA 200.8	0.5		2 U	2 U	2 U	89	6	2 U	1.8	2 U	1	5 U	5 U	2 U	6	21	19	2 U	2 U	0.5 U	0.5 U
Cobalt	EPA 6010B	3		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	6 U	3 U	3 U	3 U	3 U	3 U	3	3 U
Copper	EPA 200.8	0.5		3.7	0.6	0.5 U	24.9	1	0.5 U	2.5	0.5 U	0.5 U	0.6	0.5 U	11	1	1.5	3	0.5 U	0.5 U	1	1
Iron	EPA 6010B	50		1440	11100	8290	2350	7740	12400	50 U	11900	12100	11700	23400	26800	11000	4470	890	2330	2350	700	960
Lead	EPA 200.8	1		1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Magnesium	EPA 6010B	50		32800	14400	16000	3260	18200	9690	78300	18500	18600	11900	14700	748000	11700	9950	2880	9180	9150	4640	4600
Manganese	EPA 6010B	1		263	594	553	229	418	402	11	244	248	289	1010	4770	564	394	120	647	650	54	21
Mercury	EPA 7470A	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.0216	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B	5		30	5 U	5 U	5 U	5 U	5 U	6	5 U	5 U	5 U	5 U	20	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Nickel	EPA 200.8	0.5		3.3	1.6	2	3.1	1.4	1.6	2.8	0.6	0.7	0.5 U	0.5 U	34	1.5	1.1	0.8	0.6	0.6	1.6	1.4
Selenium	EPA 6010B	50		50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Silver	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	10		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	3		14	3 U	3 U	51	33	13	12	9	9	13	3 U	6 U	7	11	26	3 U	3 U	3 U	3 U
Zinc	EPA 6010B	10		10 U	10 U	10 U	10 U	10 U	40	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Petroleum Hydrocarbons (µg/L)																						
TPH - Gasoline Range	NWTPH-Gx	250							250 U		250 U	250 U				250 U	250 U	250 U	250 U			
TPH - Diesel Range	NWTPH-Dx-Cleaned	250							250 U		250 U	250 U				250 U	250 U	250 U	250 U			
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	500							500 U		500 U	500 U				500 U	500 U	500 U	500 U			
Conventional Parameters (mg/L)																						
Total Dissolved Solids	EPA 160.1	5									466	452	306	432	22300	298	315	184	304		148	
Nitrate (as Nitrogen) (mg-N/L)	EPA 300.0_NO3	0.1									0.1 U	0.1 U	0.1 U	0.1 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Nitrite (as Nitrogen) (mg-N/L)	EPA 300.0_NO2	0.1									0.1 U	0.1 U	0.1 U	0.1 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U		0.1 U	
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1	0.01									0.736	0.775	1.92	1.62	6.32	2.32	1.82	0.139	0.234		0.063	
Sulfate	EPA 300.0_SO4	0.1									3.5	3.6	0.1 U	0.1 U	920	8.8	0.1 U	4.7	0.4		6.8	
Sulfide	EPA 376.2	0.05									0.142	0.089	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.106	0.071		0.05 U	
Total Organic Carbon	EPA 415.1	1.5									11.4	11.1	13.1	9.26	5.23	7.54	10.9	7.41	3.49		2.14	
Density (g/mL)	GRAV	-									0.986	0.986	0.986	0.986	1.001	0.986	0.986	0.986	0.986		0.986	

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	PL2-507B 35 - 45 2-31-PL2-507B-W-0 10/6/2009	PL2-507B 35 - 45 2-31-PL2-507B-W-1 10/6/2009	PL2-507C 64 - 74 2-31-PL2-507C-W-0 10/7/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-0 10/5/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-1 10/5/2009	PL2-509B 40 - 50 2-31-PL2-509B-W-0 10/5/2009
VOCs (µg/L)									
Chloromethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	EPA 8260C	0.2		0.4	0.3	0.2 U	1.4	1.5	0.2 U
Chloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene Chloride	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
Carbon Disulfide	EPA 8260C	0.2		0.2 U	0.2 U	0.7	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	EPA 8260C	0.2		0.2	0.2	0.2 U	0.8	0.8	0.2 U
Chloroform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
1,1,1-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Acetate	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.4	0.3	0.2 U
Dibromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	EPA 8260C	0.2		0.7	0.7	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chloroethylvinylether	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl isobutyl ketone	EPA 8260C	5		5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	EPA 8260C	5		5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m,p-Xylene	EPA 8260C	0.4		0.6	0.6	0.4 U	0.4 U	0.4 U	0.4 U
o-Xylene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrolein	EPA 8260C	5		5 UR	5 UR	5 UR	5 UR	5 UR	5 UR
Methyl Iodide	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U
Bromoethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrylonitrile	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,4-Dichloro-2-butene	EPA 8260C	1		1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene Dibromide	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2,2-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Chlorotoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Isopropyltoluene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	EPA 8260C	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	EPA 8260C	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	PL2-507B 35 - 45 2-31-PL2-507B-W-0 10/6/2009	PL2-507B 35 - 45 2-31-PL2-507B-W-1 10/6/2009	PL2-507C 64 - 74 2-31-PL2-507C-W-0 10/7/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-0 10/5/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-1 10/5/2009	PL2-509B 40 - 50 2-31-PL2-509B-W-0 10/5/2009
SVOCs and PCBs (µg/L)									
Phenol	EPA 8270D	1		1 U	1 U	1 U	1 U		
bis(2-Chloroethyl)ether	EPA 8270D	1		1 U	1 U	1 U	1 U		
2-Chlorophenol	EPA 8270D	1		1 U	1 U	1 U	1 U		
1,3-Dichlorobenzene	EPA 8270D	1		1 U	1 U	1 U	1 U		
1,4-Dichlorobenzene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Benzyl Alcohol	EPA 8270D	5		5 U	5 U	5 U	5 U		
1,2-Dichlorobenzene	EPA 8270D	1		1 U	1 U	1 U	1 U		
2-Methylphenol	EPA 8270D	1		1 U	1 U	1 U	1 U		
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	1		1 U	1 U	1 U	1 U		
4-Methylphenol	EPA 8270D	1		1 U	1 U	1 U	1 U		
N-Nitroso-Di-N-Propylamine	EPA 8270D	5		5 U	5 U	5 U	5 U		
Hexachloroethane	EPA 8270D	1		1 U	1 U	1 U	1 U		
Nitrobenzene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Isophorone	EPA 8270D	1		1 U	1 U	1 U	1 U		
2-Nitrophenol	EPA 8270D	5		5 U	5 U	5 U	5 U		
2,4-Dimethylphenol	EPA 8270D	1		1 U	1 U	1 U	1 U		
Benzoic Acid	EPA 8270D	10		10 U	10 U	10 U	10 U		
bis(2-Chloroethoxy)methane	EPA 8270D	1		1 U	1 U	1 U	1 U		
2,4-Dichlorophenol	EPA 8270D	5		5 U	5 U	5 U	5 U		
1,2,4-Trichlorobenzene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Naphthalene	EPA 8270D	1		1 U	1 U	1 U	1 U		
4-Chloroaniline	EPA 8270D	5		5 U	5 U	5 U	5 U		
Hexachlorobutadiene	EPA 8270D	1		1 U	1 U	1 U	1 U		
4-Chloro-3-methylphenol	EPA 8270D	5		5 U	5 U	5 U	5 U		
2-Methylnaphthalene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Hexachlorocyclopentadiene	EPA 8270D	5		5 U	5 U	5 U	5 U		
2,4,6-Trichlorophenol	EPA 8270D	5		5 U	5 U	5 U	5 U		
2,4,5-Trichlorophenol	EPA 8270D	5		5 U	5 U	5 U	5 U		
2-Chloronaphthalene	EPA 8270D	1		1 U	1 U	1 U	1 U		
2-Nitroaniline	EPA 8270D	5		5 U	5 U	5 U	5 U		
Dimethylphthalate	EPA 8270D	1		1 U	1 U	1 U	1 U		
Acenaphthylene	EPA 8270D	1		1 U	1 U	1 U	1 U		
3-Nitroaniline	EPA 8270D	5		5 U	5 U	5 U	5 U		
Acenaphthene	EPA 8270D	1		1 U	1 U	1 U	1 U		
2,4-Dinitrophenol	EPA 8270D	10		10 U	10 U	10 U	10 U		
4-Nitrophenol	EPA 8270D	5		5 U	5 U	5 U	5 U		
Dibenzofuran	EPA 8270D	1		1 U	1 U	1 U	1 U		
2,6-Dinitrotoluene	EPA 8270D	5		5 U	5 U	5 U	5 U		
2,4-Dinitrotoluene	EPA 8270D	5		5 U	5 U	5 U	5 U		
Diethylphthalate	EPA 8270D	1		1 U	1 U	1 U	1 U		
4-Chlorophenyl-phenylether	EPA 8270D	1		1 U	1 U	1 U	1 U		
Fluorene	EPA 8270D	1		1 U	1 U	1 U	1 U		
4-Nitroaniline	EPA 8270D	5		5 U	5 U	5 U	5 U		
4,6-Dinitro-2-Methylphenol	EPA 8270D	10		10 U	10 U	10 U	10 U		
N-Nitrosodiphenylamine	EPA 8270D	1		1 U	1 U	1 U	1 U		
4-Bromophenyl-phenylether	EPA 8270D	1		1 U	1 U	1 U	1 U		
Hexachlorobenzene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Pentachlorophenol	EPA 8270D	5		5 U	5 U	5 U	5 U		
Phenanthrene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Carbazole	EPA 8270D	1		1 U	1 U	1 U	1 U		
Anthracene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Di-n-Butylphthalate	EPA 8270D	1		1 U	1 U	1 U	1 U		
Fluoranthene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Pyrene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Butylbenzylphthalate	EPA 8270D	1		1 U	1 U	1 U	1 U		
3,3'-Dichlorobenzidine	EPA 8270D	5		5 U	5 U	5 U	5 U		
Benzo(a)anthracene	EPA 8270D	1		1 U	1 U	1 U	1 U		
bis(2-Ethylhexyl)phthalate	EPA 8270D	1		1 U	1 U	1 U	1 U		
Chrysene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Di-n-octylphthalate	EPA 8270D	1		1 U	1 U	1 U	1 U		

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	PL2-507B 35 - 45 2-31-PL2-507B-W-0 10/6/2009	PL2-507B 35 - 45 2-31-PL2-507B-W-1 10/6/2009	PL2-507C 64 - 74 2-31-PL2-507C-W-0 10/7/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-0 10/5/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-1 10/5/2009	PL2-509B 40 - 50 2-31-PL2-509B-W-0 10/5/2009
Benzo(b)fluoranthene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Benzo(k)fluoranthene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Benzo(a)pyrene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Indeno(1,2,3-cd)pyrene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Dibenz(a,h)anthracene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Benzo(g,h,i)perylene	EPA 8270D	1		1 U	1 U	1 U	1 U		
1-Methylnaphthalene	EPA 8270D	1		1 U	1 U	1 U	1 U		
Naphthalene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
2-Methylnaphthalene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
1-Methylnaphthalene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Acenaphthylene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Acenaphthene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Fluorene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Phenanthrene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Anthracene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Fluoranthene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Pyrene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Benzo(a)anthracene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Chrysene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Benzo(b)fluoranthene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Benzo(k)fluoranthene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Benzo(a)pyrene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Dibenz(a,h)anthracene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Benzo(g,h,i)perylene	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Dibenzofuran	EPA 8270DSIM	0.1		0.1 U	0.1 U	0.1 U	0.1 U		
Aroclor 1016	EPA 8082	0.01		0.01 U	0.01 U	0.01 U			
Aroclor 1242	EPA 8082	0.01		0.01 U	0.01 U	0.01 U			
Aroclor 1248	EPA 8082	0.01		0.01 U	0.01 U	0.01 U			
Aroclor 1254	EPA 8082	0.01		0.01 U	0.01 U	0.01 U			
Aroclor 1260	EPA 8082	0.01		0.01 U	0.01 U	0.01 U			
Aroclor 1221	EPA 8082	0.01		0.01 U	0.01 U	0.01 U			
Aroclor 1232	EPA 8082	0.01		0.01 U	0.012 Y	0.015 Y			
Aroclor 1262	EPA 8082	0.01		0.01 U	0.01 U	0.01 U			
Aroclor 1268	EPA 8082	0.01		0.01 U	0.01 U	0.01 U			
Total PCB	EPA 8082	0.01		0.01 U	0.012 Y	0.015 Y			
Inorganics (µg/L)									
Cyanide (Total)	EPA 335.2	5		5 U	5 U	5 U	5 U	5 U	5 U
Cyanide (Weak Acid Dissociable)	SM4500CN-I	5		5 U	5 U	5 U	5 U	5 U	5 U
Metals (Total) (µg/L)									
Aluminum	EPA 6010B	50		1570		50 U	640		180
Antimony	EPA 6010B	50		50 U		50 U	50 U		50 U
Arsenic	EPA 200.8	0.2		2.4		2	1		0.5
Barium	EPA 6010B	3		11		65	15		9
Beryllium	EPA 6010B	1		1 U		1 U	1 U		1 U
Cadmium	EPA 200.8	0.2		0.2 U		0.5 U	0.2 U		0.2 U
Calcium	EPA 6010B	50		9880		44000	8240		24300
Chromium	EPA 200.8	0.5		2 U		1 U	11		2 U
Cobalt	EPA 6010B	3		3 U		3 U	3 U		3 U
Copper	EPA 200.8	0.5		1.9		1 U	4.9		0.7
Iron	EPA 6010B	50		12600		7020	6290		25200
Lead	EPA 200.8	1		1 U		2 U	1 U		1 U
Magnesium	EPA 6010B	50		11700		185000	10600		12900
Manganese	EPA 6010B	1		487		314	311		1130
Mercury	EPA 7470A	0.02		0.02 U		0.02 U	0.02 U		0.02 U
Molybdenum	EPA 6010B	5		5 U		49	5 U		5 U
Nickel	EPA 200.8	0.5		1		2	0.7		0.7
Selenium	EPA 6010B	50		50 U		50 U	50 U		50 U
Silver	EPA 200.8	0.2		0.2 U		0.5 U	0.2 U		0.2 U
Thallium	EPA 200.8	0.2		0.2 U		0.5 U	0.2 U		0.2 U
Tin	EPA 6010B	10		10 U		10 U	10 U		10 U
Vanadium	EPA 6010B	3		9		3	58		3 U
Zinc	EPA 6010B	10		10		10 U	10 U		10 U

Table 3-2b: Groundwater Analysis Results

Constituent	Analytical Method	Laboratory RL	Depth (ft bgs): Sample ID: Sample Date:	PL2-507B 35 - 45 2-31-PL2-507B-W-0 10/6/2009	PL2-507B 35 - 45 2-31-PL2-507B-W-1 10/6/2009	PL2-507C 64 - 74 2-31-PL2-507C-W-0 10/7/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-0 10/5/2009	PL2-509A 8 - 18 2-31-PL2-509A-W-1 10/5/2009	PL2-509B 40 - 50 2-31-PL2-509B-W-0 10/5/2009
Metals (Dissolved) (µg/L)									
Aluminum	EPA 6010B	50		50 U	50 U	50 U	140	180	50 U
Antimony	EPA 6010B	50		50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	EPA 200.8	0.2		2.2	2.4	2	0.8	0.9	0.4
Barium	EPA 6010B	3		4	5	67	11	12	7
Beryllium	EPA 6010B	1		1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	EPA 200.8	0.2		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B	50		9570	9510	46600	8010	7870	23400
Chromium	EPA 200.8	0.5		0.6	2 U	1 U	10	11	2 U
Cobalt	EPA 6010B	3		3 U	3 U	3 U	3 U	3 U	3 U
Copper	EPA 200.8	0.5		0.5 U	0.5 U	1 U	1	1.8	0.5 U
Iron	EPA 6010B	50		11500	11800	7410	5870	5880	24300
Lead	EPA 200.8	1		1 U	1 U	2 U	1 U	1 U	1 U
Magnesium	EPA 6010B	50		11600	11500	196000	10700	10600	12500
Manganese	EPA 6010B	1		490	496	326	313	318	1090
Mercury	EPA 7470A	0.02		0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Molybdenum	EPA 6010B	5		5 U	5 U	46	5 U	5 U	5 U
Nickel	EPA 200.8	0.5		0.5 U	0.5 U	2	0.7	0.6	0.6
Selenium	EPA 6010B	50		50 U	50 U	50 U	50 U	50 U	50 U
Silver	EPA 200.8	0.2		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U	0.5 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	10		10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	EPA 6010B	3		5	5	3	50	55	3 U
Zinc	EPA 6010B	10		10 U	10 U	10 U	10 U	10 U	10 U
Petroleum Hydrocarbons (µg/L)									
TPH - Gasoline Range	NWTPH-Gx	250					250 U		
TPH - Diesel Range	NWTPH-Dx-Cleaned	250					250 U		
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	500					500 U		
Conventional Parameters (mg/L)									
Total Dissolved Solids	EPA 160.1	5		395	391	7450	467		366
Nitrate (as Nitrogen) (mg-N/L)	EPA 300.0_NO3	0.1		0.1 U	0.1 U	1 U	0.1 U		0.1 U
Nitrite (as Nitrogen) (mg-N/L)	EPA 300.0_NO2	0.1		0.1 U	0.1 U	1 U	0.1 U		0.1 U
Ammonia (as Nitrogen) (mg-N/L)	EPA 350.1	0.01		0.96	0.944	10.5	4.1		1.58
Sulfate	EPA 300.0_SO4	0.1		0.1 U	0.1 U	22.7	0.8		0.1 U
Sulfide	EPA 376.2	0.05		0.05 U	0.053	0.05 U	0.116		0.05 U
Total Organic Carbon	EPA 415.1	1.5		9.4	9.18	18.8	31		8.68
Density (g/mL)	GRAV	-		0.986	0.986	0.991	0.986		0.986

Table 5-1a: Explanation of Data Qualifiers

Data Qualifier	Explanation
Data Qualifiers Used by the Contract Laboratory – Analytical Resources, Inc.	
U	The compound was analyzed for, but not detected at the reported concentration.
J	Indicates an estimated concentration when a value is less than the calculated reporting limit.
D	Indicates the surrogate/spike(s) was not detected due to dilution of extract.
NR	Indicates the surrogate recovery cannot be reported due to matrix interference.
E	Indicates a value above the linear range of the detector, sample dilution is required.
S	Indicates no value reported due to saturation of the detector, sample dilution required.
NA	Indicates compound was not analyzed for.
M	Indicates an estimated value of analyte found and confirmed by the analyst but with a low spectral match (GC-MS).
B	Indicates possible/probable blank contamination. Flagged when the analyte is detected in the blank as well as in the sample.
Y	Indicates raised reporting limit due to background interference or to activity in the instrument. Compound is still not detected at or above the raised level.
C	Indicates a probable detection that cannot be confirmed due to matrix interferences.
P	Indicates a high RPD between detected concentrations for dual column GC analyses without obvious interference.
H	Holding times have been exceeded. Results and quantitation limits may be biased low.
UI	Results or quantitation limit is elevated due to analytical interference.
Data Validation Qualifiers for Organic Analyses	
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

Table 5-1a: Explanation of Data Qualifiers

UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
Data Validation Qualifiers for Inorganic Analyses	
U	The compound was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-01 0 - 1 2-31-DP-01-01-S-0 9/16/2009	2-31-DP-01 0 - 1 2-31-DP-01-01-S-4 9/16/2009	2-31-DP-01 4 - 5 2-31-DP-01-04-S-0 9/16/2009	2-31-DP-01 9 - 10 2-31-DP-01-09-S-0 9/16/2009	2-31-DP-02 0 - 1 2-31-DP-02-01-S-0 9/24/2009	2-31-DP-02 4 - 5 2-31-DP-02-04-S-0 9/24/2009	2-31-DP-02 9 - 10 2-31-DP-02-09-S-0 9/24/2009	2-31-DP-03 0 - 1 2-31-DP-03-01-S-0 9/1/2009	2-31-DP-03 4 - 5 2-31-DP-03-04-S-0 9/1/2009	2-31-DP-03 4 - 5 2-31-DP-03-04-S-4 9/1/2009	2-31-DP-03 9 - 10 2-31-DP-03-09-S-0 9/1/2009	2-31-DP-04 0 - 1 2-31-DP-04-01-S-0 8/31/2009	2-31-DP-04 4 - 5 2-31-DP-04-04-S-0 8/31/2009	2-31-DP-04 9 - 10 2-31-DP-04-09-S-0 8/31/2009	2-31-DP-05 0 - 1 2-31-DP-05-01-S-0 9/2/2009	2-31-DP-05 4 - 5 2-31-DP-05-04-S-0 9/2/2009	2-31-DP-05 9 - 10 2-31-DP-05-09-S-0 9/2/2009	2-31-DP-05 9 - 10 2-31-DP-05-09-S-4 9/2/2009	2-31-DP-06 0 - 1 2-31-DP-06-01-S-0 9/1/2009
VOCs (µg/kg)																							
Vinyl Chloride	EPA 8260C	4.59	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	13	1 U	1.3 UJ	1.9	1 U	0.9 U	8.3	8.2	1 U
Acetone	EPA 8260C	355000	5		22 U	18 U	32 U	19 U	10 U	29	30	26 U	20 U	18 U	70	26 U	38 U	27 U	29 Q	30 Q	41 Q	55 Q	21 U
Carbon Disulfide	EPA 8260C	3640	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	2.6	1 U	1.3 UJ	1.1 U	1.4	0.9 U	1.3	2.2	1 U
1,1-Dichloroethene	EPA 8260C	2.73	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	2.1	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
Chloroform	EPA 8260C	141	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
2-Butanone	EPA 8260C	802000	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	9.5 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.7 U	8.1 U	4.8 U
Trichloroethene	EPA 8260C	2	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	29	7.2	9.6	1.8 U	170	56 J	1.1 U	1 U	7	1.1 U	1.3 U	23
Benzene	EPA 8260C	25.3	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
Tetrachloroethene	EPA 8260C	8.72	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
Toluene	EPA 8260C	109000	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		1.9 U	2 U	2.3 U	2.3 U	1.7 U	1.8 U	2 U	2.1 U	2.1 U	2.1 U	3.6 U	3.8	2.6 UJ	2.1 U	2.1 U	1.8 U	2.2 U	2.6 U	1.9 U
m,p-Xylene	EPA 8260C	2910000000	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
o-Xylene	EPA 8260C	143000	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U
Naphthalene	EPA 8260C	40400	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U
SVOCs (µg/kg)																							
Naphthalene	EPA 8270D	40400	67						64 U	59 U	66 U												
2-Methylnaphthalene	EPA 8270D		67						64 U	59 U	66 U												
Dimethylphthalate	EPA 8270D	169000	67						64 U	59 U	66 U												
Acenaphthylene	EPA 8270D		67						64 U	59 U	66 U												
Phenanthrene	EPA 8270D		67						64 U	59	66 U												
Anthracene	EPA 8270D	6080000	67						64 U	59 U	66 U												
Fluoranthene	EPA 8270D	44000	67						64 U	59 U	80												
Pyrene	EPA 8270D	1750000	67						64 U	59 U	66 U												
Benzo(a)anthracene	EPA 8270D	41.9	67						64 U	59 U	66 U												
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67						64 U	59 U	190												
Chrysene	EPA 8270D	46.6	67						64 U	59 U	66 U												
Benzo(b)fluoranthene	EPA 8270D	144	67						64 U	59 U	66 U												
Benzo(k)fluoranthene	EPA 8270D	144	67						64 U	59 U	66 U												
Benzo(a)pyrene	EPA 8270D	113	67						64 U	59 U	66 U												
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67						64 U	59 U	66 U												
Dibenz(a,h)anthracene	EPA 8270D	210	67						64 U	59 U	66 U												
Benzo(g,h,i)perylene	EPA 8270D		67						64 U	59 U	66 U												
Naphthalene	EPA 8270DSIM	40400	5						4.8 U	4.8 U	4.7 U												
2-Methylnaphthalene	EPA 8270DSIM		5						4.8 U	5.2	4.7 U												
Acenaphthylene	EPA 8270DSIM		5						4.8 U	4.8 U	4.7 U												
Phenanthrene	EPA 8270DSIM		5						7.7	69 J	17												
Anthracene	EPA 8270DSIM	6080000	5						4.8 U	4.8 U	4.7 U												
Fluoranthene	EPA 8270DSIM	44000	5						22	4.8 U	23												
Pyrene	EPA 8270DSIM	1750000	5						27	10	17												
Benzo(a)anthracene	EPA 8270DSIM	41.9	5						13	7.1	5.6												
Chrysene	EPA 8270DSIM	46.6	5						16	29	7.9												
Benzo(b)fluoranthene	EPA 8270DSIM	144	5						11	7.6	4.7 U												
Benzo(k)fluoranthene	EPA 8270DSIM	144	5						15	7.6	4.7 U												
Benzo(a)pyrene	EPA 8270DSIM	113	5						17	11	4.7 U												
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5						11	5.7	4.7 U												
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5						4.8 U	4.8	4.7 U												
Benzo(g,h,i)perylene	EPA 8270DSIM		5						13	11	4.7 U												
PCBs (µg/kg)																							
Aroclor 1254	EPA 8082	33	6.5																31 U	31 U	33 U		
Aroclor 1260	EPA 8082	33	30																31 U	31 U	33 U		
Total PCB	EPA 8082	33	30																31 U	31 U	33 U		
Inorganics (mg/kg)																							
Aluminum	EPA 6010B		5		6280 J+		5530 J	8300 J	10300	12800	11700	9600	8420		15600	10900	7720	13200	11400	10000	12000		12300
Arsenic	EPA 6010B	7.3	5		5 U		5 U	6 U	5 U	5 U	6 U	5 U	5 U		7 U	5 U	5 U	7 U	5 U	5 U	6 U		5 U
Barium	EPA 6010B	93300	0.3		25.7		1950	25.2	41.1	57.4	40.7	30.1	22.1		51.3	37.2	23.3	36.3	46.8	35.4	36.2		41.6
Beryllium	EPA 6010B	222	0.1		0.1 U		0.1 U	0.1 U	0.2	0.2	0.1	0.2	0.2		0.3	0.2	0.1 U	0.2	0.2	0.2	0.2		0.1
Cadmium	EPA 6010B	1.21	0.2		0.2 U		0.2 U	0.2 U	0.2 U	0.2	0.9	0.2 U	0.2 U		0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U		0.2 U
Calcium	EPA 6010B		5		3210 J+		2800 J	4200 J	4660	5610	5910	4270	4260		5720	4600	3520	4950	4220	4880	4720		5230
Chromium	EPA 6010B		0.5		9.1 J		7.9 J	10.6 J	25.3	20.1	16.5	11.4	13		17	13.1	11.2	13.2	27.5	12.7	86		16.1
Cobalt	EPA 6010B		0.3		3.1 J		3.2 J	9.1 J	6	6.8	5.3	4.4	4.9		8.2	4.6	3.9	3.8	7.2	6	10.4		5
Copper	EPA 6010B	36.4	0.2		7.1 J		5.8 J	7.5 J	12	14.5	21.2	10.4	9.4		25.4	13.4	8.7	11.4	10.6	13.2	16.3		13.8
Iron	EPA 6010B		5		7660 J		6610 J	9150 J	14800	16900	10600	12400	13500		14400	12900	10800	10700	15100	13400	10800		15100
Lead	EPA 6010B	1000	2		12 J		4 J	3 J	5	3	7	3	2 U		3 U	13	2 U	3 U	2 U	6	3 U		4
Magnesium	EPA 6010B		5		1520 J+		1200 J	2070 J	5220	4070	2190	2340	2490		3280	2680	2120	2450	5250	2560	2550		2900
Manganese	EPA 6010B	1146	0.1		77.7 J+		60 J	89.8 J	208	214	87.5	122	142		117	129	100	89.7	264	146	86.8		140
Mercury	EPA 7471A	0.07	0.02		0.02 U		0.02 U	0.02 U	0.02	0.02 U	0.08	0.02	0.02 U		0.05	0.02	0.02 U	0.02 U	0.02 U	0.03	0.04		0.03
Molybdenum	EPA 6010B	6670	0.5		0.5 U		0.5 U	0.6	0.5 U	0.5 U	1.2	0.5 U	0.5 U		1	0.5 U	0.5 U	0.7 U	0.5 U	0.5 U	0.6 U		0.5 U
Nickel	EPA 6010B	47.8	1		6 J		10 J	8 J	32	21	10	8	8		15	10	7	8	38	10	15		10
Silver	EPA 6010B	0.323	0.3		0.3 U		0.3 U	0.7	0.3 U	0.3 U	3.6	0.3 U	0.3 U		0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U		0.3 U
Thallium	EPA 200.8	0.669	0.2		0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.3 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.3 U		0.2 U
Tin	EPA 6010B		1		1 UJ		1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U		1
Vanadium	EPA 6010B	9330	0.3		25.1 J		32.2 J	33.8 J	38.2	46.8	38.4	40	42.2		59.4	39.6	33.4	33	36.9	41.4	48.7		48.2
Zinc	EPA 6010B	101	1		23 J		24 J	23 J	103	147	43	27	27		33	31	22	25	26	35	32		32
Cyanide	EPA 335.2	0.202	0.05						0.051 U	0.052 U	0.059 U	0.051 U	0.051 U		0.065 U	0.104 U	0.101 U	0.129 U	0.052 U	0.052 U	0.064 U		0.052 U
Total Solids (%)	EPA 160.3		0.01						89.1	92.3	78.1	95	97.6		69.9	92.4	96.6	74.9	91.5	91.7	73.4		91.9
Petroleum Hydrocarbons (mg/kg)																							
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5		5 U		5.4 U	5.4 U	5.2 U	21 J	10 J												
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10		10 U		11 U	11 U	10 U	200	14												

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-06 4 - 5 2-31-DP-06-04-S-0 9/1/2009	2-31-DP-06 9 - 10 2-31-DP-06-09-S-0 9/1/2009	2-31-DP-07 0 - 1 2-31-DP-07-01-S-0 9/3/2009	2-31-DP-07 4 - 5 2-31-DP-07-04-S-0 9/3/2009	2-31-DP-07 9 - 10 2-31-DP-07-09-S-0 9/3/2009	2-31-DP-07 9 - 10 2-31-DP-07-09-S-0 Reanalysis 9/3/2009	2-31-DP-08 0 - 1 2-31-DP-08-01-S-0 9/14/2009	2-31-DP-08 0 - 1 2-31-DP-08-01-S-4 9/14/2009	2-31-DP-08 4 - 5 2-31-DP-08-04-S-0 9/14/2009	2-31-DP-08 9 - 10 2-31-DP-08-09-S-0 9/14/2009	2-31-DP-08 9 - 10 2-31-DP-08-09-S-0 Reanalysis 9/14/2009	2-31-DP-09 0 - 1 2-31-DP-09-01-S-0 9/14/2009	2-31-DP-09 4 - 5 2-31-DP-09-04-S-0 9/14/2009	2-31-DP-09 9 - 10 2-31-DP-09-09-S-0 9/14/2009	2-31-DP-09 9 - 10 2-31-DP-09-09-S-0 Reanalysis 9/14/2009	2-31-DP-09 9 - 10 2-31-DP-09-09-S-4 9/14/2009	2-31-DP-10 0 - 1 2-31-DP-10-01-S-0 9/11/2009
VOCs (µg/kg)																					
Vinyl Chloride	EPA 8260C	4.59	1		1.1 U	3.3 J	0.8 U	1 U	77	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U
Acetone	EPA 8260C	355000	5		34 U	33 U	22 U	29 U	31 U	360 U	35	27	26	280	110 Q	34	32 Q	59 Q	50	50 Q	34 U
Carbon Disulfide	EPA 8260C	3640	1		1.1 U	1.2 J	0.8 U	1 U	2	73 U	0.9 U	1 U	1 U	11	7.1	0.9 U	1 U	3.6	2.4	1.6	1 U
1,1-Dichloroethene	EPA 8260C	2.73	1		1.1 U	1 UJ	0.8 U	1 U	1.8	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		1.1 U	1 UJ	0.8 U	1 U	1.7	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		1.1 U	9.8 J	8.1	7.6	67	140	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.2	1.1 U	1.2 U	1 U
Chloroform	EPA 8260C	141	1		1.1 U	1 UJ	0.8 U	1 U	1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	1.2	1 U	1.1 U	1.1 U	1.2 U	1 U
2-Butanone	EPA 8260C	802000	5		5.3 U	5.2 UJ	4.2 U	5.2 U	5.2 U	360 U	4.5 UR	4.8 UR	4.9 UR	45 J	14 J	4.7 UR	5 UR	5.5 UR	5.5 UR	6.2 UR	4.8 U
Trichloroethene	EPA 8260C	2	1		44	1 UJ	100	110	360 E	2100	0.9 U	1 U	1 U	2.1 U	1.3 U	13	16	1.1 U	1.1 U	1.2 U	14
Benzene	EPA 8260C	25.3	1		1.1 U	1 UJ	0.8 U	1.2	1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.5	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U
Tetrachloroethene	EPA 8260C	8.72	1		1.1 U	1 UJ	0.8 U	1 U	5.9	73 U	0.9 U	1 U	1 U	2.1 U	1.3 UJ	0.9 U	1.1	1.1 U	1.1 U	1.2 U	1 U
Toluene	EPA 8260C	109000	1		1.1 U	1 UJ	0.8 U	1 U	1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		2.1 U	2.1 UJ	1.7 U	2.1 U	2.1 U	140 U	1.8 U	1.9 U	2 U	4.2 U	2.5 U	1.9 U	2 U	2.2 U	2.2 U	2.5 U	1.9 U
m,p-Xylene	EPA 8260C	2910000000	1		1.1 U	1 UJ	0.8 U	1 U	1 U	73 U	0.9 U	1 U	1 U	9.3	4.7 J	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U
o-Xylene	EPA 8260C	143000	1		1.1 U	1 UJ	0.8 U	1 U	1 U	73 U	0.9 U	1 U	1 U	10	5.7 J	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		1.1 U	1 UJ	0.8 U	1 U	1 U	73 U	0.9 U	1 U	1 U	4.2 J	1.9 J	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		1.1 U	1 UJ	0.8 U	1 U	1 U	73 U	0.9 U	1 U	1 U	7.1 J	3.3 J	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U
Naphthalene	EPA 8260C	40400	5		5.3 U	5.2 UJ	4.2 U	5.2 U	5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 UJ	6.3 UJ	4.7 U	5 U	5.5 UJ	5.5 UJ	6.2 U	4.8 U
SVOCs (µg/kg)																					
Naphthalene	EPA 8270D	40400	67																		
2-Methylnaphthalene	EPA 8270D		67																		
Dimethylphthalate	EPA 8270D	169000	67																		
Acenaphthylene	EPA 8270D		67																		
Phenanthrene	EPA 8270D		67																		
Anthracene	EPA 8270D	6080000	67																		
Fluoranthene	EPA 8270D	44000	67																		
Pyrene	EPA 8270D	1750000	67																		
Benzo(a)anthracene	EPA 8270D	41.9	67																		
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67																		
Chrysene	EPA 8270D	46.6	67																		
Benzo(b)fluoranthene	EPA 8270D	144	67																		
Benzo(k)fluoranthene	EPA 8270D	144	67																		
Benzo(a)pyrene	EPA 8270D	113	67																		
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67																		
Dibenz(a,h)anthracene	EPA 8270D	210	67																		
Benzo(g,h,i)perylene	EPA 8270D		67																		
Naphthalene	EPA 8270DSIM	40400	5																		
2-Methylnaphthalene	EPA 8270DSIM		5																		
Acenaphthylene	EPA 8270DSIM		5																		
Phenanthrene	EPA 8270DSIM		5																		
Anthracene	EPA 8270DSIM	6080000	5																		
Fluoranthene	EPA 8270DSIM	44000	5																		
Pyrene	EPA 8270DSIM	1750000	5																		
Benzo(a)anthracene	EPA 8270DSIM	41.9	5																		
Chrysene	EPA 8270DSIM	46.6	5																		
Benzo(b)fluoranthene	EPA 8270DSIM	144	5																		
Benzo(k)fluoranthene	EPA 8270DSIM	144	5																		
Benzo(a)pyrene	EPA 8270DSIM	113	5																		
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5																		
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5																		
Benzo(g,h,i)perylene	EPA 8270DSIM		5																		
PCBs (µg/kg)																					
Aroclor 1254	EPA 8082	33	6.5								6.5 U		31 U	31 U							
Aroclor 1260	EPA 8082	33	30								11		88	190							
Total PCB	EPA 8082	33	30								11		88	190							
Inorganics (mg/kg)																					
Aluminum	EPA 6010B		5		10400	15900	10000	10500	16200		9420		8590	10800		10900	8640	12700			10200
Arsenic	EPA 6010B	7.3	5		6 U	6 U	5 U	5 U	7 U		5 U		5 U	6 U		5 U	5 U	6 U			5 U
Barium	EPA 6010B	93300	0.3		35.9	50.9	26.7	33.5	44.5		28.4		29.8	44.7		51.1	29.9	36.5			36.7
Beryllium	EPA 6010B	222	0.1		0.2	0.2	0.1	0.1	0.2		0.1 U		0.1 U	0.2		0.1	0.1 U	0.1			0.1
Cadmium	EPA 6010B	1.21	0.2		0.2 U	0.3 U	0.2 U	0.2 U	0.3 U		0.2		3.9	104		1.7	0.2 U	0.2 U			0.2 U
Calcium	EPA 6010B		5		4160 J+	6070	4820	4420	6110		4830		4120	5990		6750	7480	5590			4500
Chromium	EPA 6010B		0.5		13.6	17.5	13.4	12.6	2090		13		15.8	20.3		39.6	13.3	18.2			12.7
Cobalt	EPA 6010B		0.3		4.6	7.4	4.6	4.6	5.1		4.2		4.2	5.9		7.6	4.1	8.3			5.1
Copper	EPA 6010B	36.4	0.2		13.2	19.4	11.9	11.4	17.4		13.4		12.8	22.4		18	12.3	17.7			13.7
Iron	EPA 6010B		5		13000	13400	14500	13700	11700		13000		12100	16600		17300	11700	12100			13800
Lead	EPA 6010B	1000	2		2	3 U	4	3	3		9		13	12		16	10	2 U			4
Magnesium	EPA 6010B		5		2370 J+	3210	2720 J	2790	2920		2480		2480	3010		3270	2620	2770			2980
Manganese	EPA 6010B	1146	0.1		129 J+	109	137	132	95.9		133		123	135		176	122	105			150
Mercury	EPA 7471A	0.07	0.02		0.03	0.16	0.02 U	0.02 U	0.03 U		0.02 U		0.02 U	0.03 U		0.03	0.02 U	0.02 U			0.02
Molybdenum	EPA 6010B	6670	0.5		0.6 U	0.6 U	0.5 U	0.5 U	0.7 U		0.5 U		0.5 U	0.6 U		0.5 U	0.5 U	0.6 U			0.5 U
Nickel	EPA 6010B	47.8	1		10	13	10	10	10		10		10	19		13	10	16			10
Silver	EPA 6010B	0.323	0.3		0.3 U	0.4 U	0.3 U	0.3 U	0.4 U		0.3 U		0.3 U	0.4 U		0.4	0.3 U	0.4 U			0.3 U
Thallium	EPA 200.8	0.669	0.2		0.2 UJ	0.3 U	0.2 U	0.2 U	0.3 U		2.9		0.2 U	0.3 U		0.2 U	0.2 U	0.2 U			0.2 U
Tin	EPA 6010B		1		1 U	1 U	1 UJ	1 U	1 U		1 U		1 U	56		8	1 U	1 U			1 U
Vanadium	EPA 6010B	9330	0.3		41.3	48.3	44.2	42.9	48.1		42.5		40.7	50.9		44.6	39.9	43.9			41.5
Zinc	EPA 6010B	101	1		27	30	30	27	29		35		39	49		67	32	31			29
Cyanide	EPA 335.2	0.202	0.05		0.05 U	0.064 U	0.051 U	0.051 U	0.067 U												
Total Solids (%)	EPA 160.3		0.01		95.2	72.9	97.4	94.5	74												
Petroleum Hydrocarbons (mg/kg)																					
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5																		
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10																		

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-10 4 - 5 2-31-DP-10-04-S-0 9/11/2009	2-31-DP-10 9 - 10 2-31-DP-10-09-S-0 9/11/2009	2-31-DP-11 0 - 1 2-31-DP-11-01-S-0 9/2/2009	2-31-DP-11 4 - 5 2-31-DP-11-04-S-0 9/2/2009	2-31-DP-11 4 - 5 2-31-DP-11-04-S-4 9/2/2009	2-31-DP-11 9 - 10 2-31-DP-11-09-S-0 9/2/2009	2-31-DP-12 0 - 1 2-31-DP-12-01-S-0 9/11/2009	2-31-DP-12 4 - 5 2-31-DP-12-04-S-0 9/11/2009	2-31-DP-12 9 - 10 2-31-DP-12-09-S-0 9/11/2009	2-31-DP-12 9 - 10 2-31-DP-12-09-S-0 Reanalysis 9/11/2009	2-31-DP-13 0 - 1 2-31-DP-13-01-S-0 9/21/2009	2-31-DP-13 0 - 1 2-31-DP-13-01-S-4 9/21/2009	2-31-DP-13 4 - 5 2-31-DP-13-04-S-0 9/21/2009	2-31-DP-13 9 - 10 2-31-DP-13-09-S-0 9/21/2009	2-31-DP-13 9 - 10 2-31-DP-13-09-S-0 Reanalysis 9/21/2009	2-31-DP-14 0 - 1 2-31-DP-14-01-S-0 9/21/2009	2-31-DP-14 4 - 5 2-31-DP-14-04-S-0 9/21/2009	2-31-DP-14 9 - 10 2-31-DP-14-09-S-0 9/21/2009
VOCs (µg/kg)																						
Vinyl Chloride	EPA 8260C	4.59	1		0.9 U	1.7	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
Acetone	EPA 8260C	355000	5		26 U	53 U	44 Q	43 Q	41 Q	24 Q	55	34 U	42 U	50 U	24	17	28	96	53	14	20	74
Carbon Disulfide	EPA 8260C	3640	1		0.9 U	1.2	2.4	1 U	0.9 U	1.7	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	4.4	1.3 U	1 U	1 U	1.4 U
1,1-Dichloroethene	EPA 8260C	2.73	1		0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.5 J	2.6	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
Chloroform	EPA 8260C	141	1		1.2	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
2-Butanone	EPA 8260C	802000	5		4.6 U	8.5 U	4.8 U	5 U	4.7 U	4.5 U	5.3 U	4.8 U	5.6 U	5.6 UR	5.3 UR	5.7 UR	5.1 UR	11 J	6.3 U	5.1 UR	4.9 UR	7 UR
Trichloroethene	EPA 8260C	2	1		38	1.1 U	1	3.3	2.4	2.2	1	1.9	16 J	5.5	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
Benzene	EPA 8260C	25.3	1		0.9 U	2.1	2.9	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
Tetrachloroethene	EPA 8260C	8.72	1		0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
Toluene	EPA 8260C	109000	1		0.9 U	1.1 U	1.5	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		1.9 U	2.2 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U	1.9 U	2.3 U	2.2 U	2.1 U	2.3 U	2 U	2.5 U	2.5 U	2 U	2 U	2.8 U
m,p-Xylene	EPA 8260C	2910000000	1		0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
o-Xylene	EPA 8260C	143000	1		0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U	1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U
Naphthalene	EPA 8260C	40400	5		4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U	5.6 U	5.6 U	5.3 UJ	5.7 UJ	5.1 UJ	6.3 UJ	6.3 U	5.1 UJ	4.9 UJ	7 UJ
SVOCs (µg/kg)																						
Naphthalene	EPA 8270D	40400	67												59 U		59 U	62 U		65 U	58 U	58 U
2-Methylnaphthalene	EPA 8270D		67												59 U		59 U	62 U		65 U	58 U	58 U
Dimethylphthalate	EPA 8270D	169000	67												59 U		59 U	62 U		65 U	58 U	58 U
Acenaphthylene	EPA 8270D		67												59 U		59 U	62 U		65 U	58 U	58 U
Phenanthrene	EPA 8270D		67												59 U		59 U	130		65 U	58 U	58 U
Anthracene	EPA 8270D	6080000	67												59 U		59 U	62 U		65 U	58 U	58 U
Fluoranthene	EPA 8270D	44000	67												59 U		59 U	88		65 U	58 U	58 U
Pyrene	EPA 8270D	1750000	67												59 U		59 U	130		65 U	58 U	58 U
Benzo(a)anthracene	EPA 8270D	41.9	67												59 U		59 U	62 U		65 U	58 U	58 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67												59 U		59 U	62 U		65 U	58 U	58 U
Chrysene	EPA 8270D	46.6	67												59 U		59 U	62 U		65 U	58 U	58 U
Benzo(b)fluoranthene	EPA 8270D	144	67												59 U		59 U	62 U		65 U	58 U	58 U
Benzo(k)fluoranthene	EPA 8270D	144	67												59 U		59 U	62 U		65 U	58 U	58 U
Benzo(a)pyrene	EPA 8270D	113	67												59 U		59 U	62 U		65 U	58 U	58 U
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67												59 U		59 U	62 U		65 U	58 U	58 U
Dibenz(a,h)anthracene	EPA 8270D	210	67												59 U		59 U	62 U		65 U	58 U	58 U
Benzo(g,h,i)perylene	EPA 8270D		67												59 U		59 U	62 U		65 U	58 U	58 U
Naphthalene	EPA 8270DSIM	40400	5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
2-Methylnaphthalene	EPA 8270DSIM		5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Acenaphthylene	EPA 8270DSIM		5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Phenanthrene	EPA 8270DSIM		5												4.7 U		4.8 U	12		4.6 U	4.8 U	4.8 U
Anthracene	EPA 8270DSIM	6080000	5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Fluoranthene	EPA 8270DSIM	44000	5												4.7 U		4.8 U	11		4.6 U	4.8 U	4.8 U
Pyrene	EPA 8270DSIM	1750000	5												4.7 U		4.8 U	10		4.6 U	4.8 U	4.8 U
Benzo(a)anthracene	EPA 8270DSIM	41.9	5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Chrysene	EPA 8270DSIM	46.6	5												4.7 U		4.8 U	5.2		4.6 U	4.8 U	4.8 U
Benzo(b)fluoranthene	EPA 8270DSIM	144	5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Benzo(k)fluoranthene	EPA 8270DSIM	144	5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Benzo(a)pyrene	EPA 8270DSIM	113	5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
Benzo(g,h,i)perylene	EPA 8270DSIM		5												4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U
PCBs (µg/kg)																						
Aroclor 1254	EPA 8082	33	6.5												32 U		32 U	33 U		33 U	32 U	31 U
Aroclor 1260	EPA 8082	33	30												32 U		32 U	33 U		33 U	32 U	31 U
Total PCB	EPA 8082	33	30												32 U		32 U	33 U		33 U	32 U	31 U
Inorganics (mg/kg)																						
Aluminum	EPA 6010B		5		7960	12000	6080	8370		7350	10300	10400	18900		9830		9380	16300		7820	7570	15500
Arsenic	EPA 6010B	7.3	5		5 U	6 U	5 U	5 U		6 U	5 U	5 U	7 U		5 U		5 U	7 U		5 U	5 U	7 U
Barium	EPA 6010B	93300	0.3		27.8	41.1	18.9	24		23.4	48.6	32.6	68.4		28.8 J		25.5 J	64 J		26.3 J	20.7 J	48.8 J
Beryllium	EPA 6010B	222	0.1		0.1 U	0.2	0.1 U	0.1		0.1 U	0.1	0.1	0.2		0.1		0.1	0.2		0.1	0.1 U	0.2
Cadmium	EPA 6010B	1.21	0.2		0.2 U	0.3 U	0.2 U	0.2 U		0.2 U	2.7	0.2 U	0.3 U		0.2 U		0.2 U	0.3 U		0.2 U	0.2 U	0.3 U
Calcium	EPA 6010B		5		3600	4190	2990	3940		3670	5140	4810	6000		5720		5020	7210		4080	4110	5950
Chromium	EPA 6010B		0.5		9.4	12.4	8.7	10.3		20.5	38.5	12.4	206		10.4		11.4	16.8		8.6	11.6	16.8
Cobalt	EPA 6010B		0.3		3.6	3.6	2.8	3.9		2.7	5.5	4.4	4.4		3.4		6.7	5.6		3.9	3.9	6.4
Copper	EPA 6010B	36.4	0.2		9.8	13.4	6.9	9.7		6.9	20.4	12.3	18.8		14.1		10.1	21.5		7.9	9.4	25
Iron	EPA 6010B		5		9980	11000	8120	10900		8470	13800	13200	15700		11800		10700	19900		9940	10300	14000
Lead	EPA 6010B	1000	2		4	5	2	4		2 U	92	5	4		2 U		2 U	99		2 U	5	4
Magnesium	EPA 6010B		5		2260	2730	1420	1950		1570	2780	2670	4180		1980		1990	3160		1840	1860	3180
Manganese	EPA 6010B	1146	0.1		111	103	75.1	107		70.2	151	129	126		94.7		104	132		106	119	120
Mercury	EPA 7471A	0.07	0.02		0.02 U	0.03	0.02	0.02		0.02 U	0.07	0.02 U	0.03		0.02 U		0.03 U	0.04		0.02 U	0.03 U	0.05
Molybdenum	EPA 6010B	6670	0.5		0.5 U	0.6 U	0.6	0.5 U		0.6 U	1.7	0.5 U	0.7 U		0.5		0.5	0.7 U		0.5 U	0.7	0.7 U
Nickel	EPA 6010B	47.8	1		9	9	5	8		5	14	10	12		7		7	10		6	7	13
Silver	EPA 6010B	0.323	0.3		0.3 U	0.4 U	0.3 U	0.3 U		0.3 U	0.3 U	0.3 U	0.4 U		0.3 U		0.3 U	0.4 U		0.3 U	0.3 U	0.4 U
Thallium	EPA 200.8	0.669	0.2		0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.3 U		0.2 U		0.2 U	0.3 U		0.2 U	0.2 U	0.3 U
Tin	EPA 6010B		1		1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U		1 U		1 U	137		1 U	1 U	1 U
Vanadium	EPA 6010B	9330	0.3		31.2	37.2	26.8	35.4		33.9	44.2	43.5	46.9		43.9		38.8	49.6		30.6	37.3	54.7
Zinc	EPA 6010B	101	1		28	36	17	26		16	230	29	67		22		23	52		20	21	32
Cyanide	EPA 335.2	0.202	0.05								0.072	0.066	0.065 U		0.052 U		0.051 U	0.324		0.048 U	0.05 U	0.069 U
Total Solids (%)	EPA 160.3		0.01								94.6	86.2	71.2		90.6		94.1	68.4		97.3	93.9	71.3
Petroleum Hydrocarbons (mg/kg)																						
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5																			
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10																			

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-15 9 - 10 2-31-DP-15-09-S-0 9/15/2009	2-31-DP-16 0 - 1 2-31-DP-16-01-S-0 9/10/2009	2-31-DP-16 4 - 5 2-31-DP-16-04-S-0 9/10/2009	2-31-DP-16 9 - 10 2-31-DP-16-09-S-0 9/10/2009	2-31-DP-17 0 - 1 2-31-DP-17-01-S-0 9/10/2009	2-31-DP-17 4 - 5 2-31-DP-17-04-S-0 9/10/2009	2-31-DP-17 9 - 10 2-31-DP-17-09-S-0 9/10/2009	2-31-DP-18 0 - 1 2-31-DP-18-01-S-0 9/10/2009	2-31-DP-18 4 - 5 2-31-DP-18-04-S-0 9/10/2009	2-31-DP-18 4 - 5 2-31-DP-18-04-S-0 Reanalysis 9/10/2009	2-31-DP-18 4 - 5 2-31-DP-18-04-S-4 9/10/2009	2-31-DP-18 9 - 10 2-31-DP-18-09-S-0 9/10/2009	2-31-DP-19 0 - 1 2-31-DP-19-01-S-0 9/24/2009	2-31-DP-19 4 - 5 2-31-DP-19-04-S-0 9/24/2009	2-31-DP-19 9 - 10 2-31-DP-19-09-S-0 9/24/2009	2-31-DP-20 0 - 1 2-31-DP-20-01-S-0 9/21/2009	2-31-DP-20 0 - 1 2-31-DP-20-01-S-4 9/21/2009	2-31-DP-20 4 - 5 2-31-DP-20-04-S-0 9/21/2009	2-31-DP-20 9 - 10 2-31-DP-20-09-S-0 9/21/2009
VOCs (µg/kg)																							
Vinyl Chloride	EPA 8260C	4.59	1		1.2 U	0.8 UJ	0.9 UJ	1 UJ	0.9 UJ	1 U	1.2 U	0.8 UJ	0.8 UJ	0.9 U	0.9 UJ	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
Acetone	EPA 8260C	355000	5		18	140	40	23 U	58	120	50	35 J	36 J	46	54	30	170	18 U	51	36	19	120	36
Carbon Disulfide	EPA 8260C	3640	1		1.2 U	0.8 U	0.9 U	1 U	3.1	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
1,1-Dichloroethene	EPA 8260C	2.73	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
Chloroform	EPA 8260C	141	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.9	0.9 U	1 U	0.8 U	1.1 U	1 U
2-Butanone	EPA 8260C	802000	5		6.2 UR	12 U	4.6 U	4.8 U	4.7 U	8.3	5.9 U	3.9 UJ	4 U	4.7 UR	4.7 U	5 UR	13 U	4.3 U	4.7 U	4.8 UR	3.9 UR	5.5 UR	5.1 UR
Trichloroethene	EPA 8260C	2	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
Benzene	EPA 8260C	25.3	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	1.9	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
Tetrachloroethene	EPA 8260C	8.72	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1.3	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
Toluene	EPA 8260C	109000	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	1.1	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		2.5 U	1.7 U	1.8 U	1.9 U	1.7 U	2 U	2.4 U	1.6 UJ	1.6 U	1.9 U	1.9 U	2 U	1.7 U	1.7 U	1.9 U	1.9 U	1.5 U	2.2 U	2.1 U
m,p-Xylene	EPA 8260C	2910000000	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
o-Xylene	EPA 8260C	143000	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U	1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U
Naphthalene	EPA 8260C	40400	5		6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U	5 U	4.2 U	4.3 U	4.7 U	4.8 UJ	3.9 UJ	5.5 UJ	5.1 UJ
SVOCs (µg/kg)																							
Naphthalene	EPA 8270D	40400	67						64 U	62 U	63 U												
2-Methylnaphthalene	EPA 8270D		67						64 U	62 U	63 U												
Dimethylphthalate	EPA 8270D	169000	67						64 U	62 U	63 U												
Acenaphthylene	EPA 8270D		67						64 U	62 U	63 U												
Phenanthrene	EPA 8270D		67						64 U	62 U	63 U												
Anthracene	EPA 8270D	6080000	67						64 U	62 U	63 U												
Fluoranthene	EPA 8270D	44000	67						64 U	62 U	63 U												
Pyrene	EPA 8270D	1750000	67						64 U	62 U	63 U												
Benzo(a)anthracene	EPA 8270D	41.9	67						64 U	62 U	63 U												
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67						64 U	62 U	63 U												
Chrysene	EPA 8270D	46.6	67						64 U	62 U	63 U												
Benzo(b)fluoranthene	EPA 8270D	144	67						64 U	62 U	63 U												
Benzo(k)fluoranthene	EPA 8270D	144	67						64 U	62 U	63 U												
Benzo(a)pyrene	EPA 8270D	113	67						64 U	62 U	63 U												
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67						64 U	62 U	63 U												
Dibenz(a,h)anthracene	EPA 8270D	210	67						64 U	62 U	63 U												
Benzo(g,h,i)perylene	EPA 8270D		67						64 U	62 U	63 U												
Naphthalene	EPA 8270DSIM	40400	5						4.8 U	4.7 U	4.8 U												
2-Methylnaphthalene	EPA 8270DSIM		5						4.8 U	4.7 U	4.8 U												
Acenaphthylene	EPA 8270DSIM		5						4.8 U	4.7 U	4.8 U												
Phenanthrene	EPA 8270DSIM		5						8.1	4.7 U	4.8 U												
Anthracene	EPA 8270DSIM	6080000	5						4.8 U	4.7 U	4.8 U												
Fluoranthene	EPA 8270DSIM	44000	5						19	9.4	4.8 U												
Pyrene	EPA 8270DSIM	1750000	5						23	11	4.8 U												
Benzo(a)anthracene	EPA 8270DSIM	41.9	5						11	5.1	4.8 U												
Chrysene	EPA 8270DSIM	46.6	5						15	7.5	4.8 U												
Benzo(b)fluoranthene	EPA 8270DSIM	144	5						11	6.5	4.8 U												
Benzo(k)fluoranthene	EPA 8270DSIM	144	5						13	5.6	4.8 U												
Benzo(a)pyrene	EPA 8270DSIM	113	5						14	7.9	4.8 U												
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5						10	6.1	4.8 U												
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5						4.8 U	4.7 U	4.8 U												
Benzo(g,h,i)perylene	EPA 8270DSIM		5						14	11	4.8 U												
PCBs (µg/kg)																							
Aroclor 1254	EPA 8082	33	6.5		32 U				32 U	31 U	31 U												
Aroclor 1260	EPA 8082	33	30		32 U				32 U	31 U	31 U												
Total PCB	EPA 8082	33	30		32 U				32 U	31 U	31 U												
Inorganics (mg/kg)																							
Aluminum	EPA 6010B		5		9060	4390	11600	12100	13100	10300	10600	15900	11400			10300	13800	13000	14100	8060		18400	9810
Arsenic	EPA 6010B	7.3	5		6 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U			5 U	5 U	5 U	6 U	5 U		7 U	6 U
Barium	EPA 6010B	93300	0.3		28.4	14.1	33.6	35.2	51.7	39.6	30.1	39.7	50.9			29.5	38.7	43	61.1	23 J		78.5 J	29.3 J
Beryllium	EPA 6010B	222	0.1		0.1 U	0.1 U	0.1	0.1	0.2	0.1	0.1 U	0.2	0.2			0.1 U	0.2	0.2	0.2	0.1		0.3	0.1 U
Cadmium	EPA 6010B	1.21	0.2		0.2 U	0.2 U	0.2	0.2 U	0.7	1	0.2 U	0.3	0.2 U			0.2 U	0.2 U	0.2 U	0.2	0.2 U		0.3 U	0.2 U
Calcium	EPA 6010B		5		3910	2750	6010	5480	6410	5520	5370	11700	6340			5130	7310	6790	6680	3920		5760	4720
Chromium	EPA 6010B		0.5		9.6	6.1	19.9	11	22.1	16.2	9.9	39.6	13			11.3	20.5	27.2	21.7	9.1		19.2	9.8
Cobalt	EPA 6010B		0.3		3.3	2.1	5.3	3.6	6.9	4.6	5.2	8.6	5.1			3.9	7.7	6.8	6.9	3.8		6.1	4.3
Copper	EPA 6010B	36.4	0.2		7.3	9	18	12.1	36.7	16.2	12.4	38.3	20.7			10.2	28.6	22	23.9	8.4		27	8.9
Iron	EPA 6010B		5		8060	5880	15100	12100	17900	21100	13700	21100	15200			11700	18400	16700	18500	10800		21700	8740
Lead	EPA 6010B	1000	2		2 U	4	12	2 U	57	39	2 U	8	7			2 U	6	7	6	5		5	2 U
Magnesium	EPA 6010B		5		1760	1790	3990	2370	5270	2500	2150	8560	3180			2280	4650	4120	5310	2110		3760	1790
Manganese	EPA 6010B	1146	0.1		75	105	201	138	269	183	115	327	185			111	265	222	265	113		159	82.5
Mercury	EPA 7471A	0.07	0.02		0.02 U	0.03	0.02 U	0.02 U	0.07	0.04	0.02 U	0.02	0.02			0.02 U	0.02 U	0.02 U	0.03	0.02 U		0.06	0.02 U
Molybdenum	EPA 6010B	6670	0.5		0.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6 U	0.5 U	0.5 U			0.5 U	0.5 U	0.8	0.6 U	0.5 U		0.8	0.6 U
Nickel	EPA 6010B	47.8	1		6	7	17	8	26	11	8	37	11			7	18	21	25	7		13	6
Silver	EPA 6010B	0.323	0.3		0.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U			0.3 U	0.3 U	0.3 U	0.3 U	0.3 U		0.4 U	0.4 U
Thallium	EPA 200.8	0.669	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.3 U	0.2 U
Tin	EPA 6010B		1		1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U		1 U	1 U
Vanadium	EPA 6010B	9330	0.3		30.3	15.7	47.7	40.6	50.3	45.2	39	59.6	46.8			42.6	51.8	50.9	52.3	33.1		59.6	34.8
Zinc	EPA 6010B	101	1		23	17	38	23	122	106	28	53	37			25	39	36	43	23		40	22
Cyanide	EPA 335.2	0.202	0.05						0.052 U	0.161	0.057 U												
Total Solids (%)	EPA 160.3		0.01						90.7	90.4	86.1												
Petroleum Hydrocarbons (mg/kg)																							
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5																				
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10																				

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-21 0 - 1 2-31-DP-21-01-S-0 9/15/2009	2-31-DP-21 4 - 5 2-31-DP-21-04-S-0 9/15/2009	2-31-DP-21 9 - 10 2-31-DP-21-09-S-0 9/15/2009	2-31-DP-22 0 - 1 2-31-DP-22-01-S-0 9/10/2009	2-31-DP-22 4 - 5 2-31-DP-22-04-S-0 9/10/2009	2-31-DP-22 9 - 10 2-31-DP-22-09-S-0 9/10/2009	2-31-DP-23 0 - 1 2-31-DP-23-01-S-0 9/15/2009	2-31-DP-23 4 - 5 2-31-DP-23-04-S-0 9/15/2009	2-31-DP-23 9 - 10 2-31-DP-23-09-S-0 9/15/2009	2-31-DP-23 9 - 10 2-31-DP-23-09-S-4 9/15/2009	2-31-DP-24 0 - 1 2-31-DP-24-01-S-0 9/3/2009	2-31-DP-24 4 - 5 2-31-DP-24-04-S-0 9/3/2009	2-31-DP-24 9 - 10 2-31-DP-24-09-S-0 9/3/2009	2-31-DP-25 0 - 1 2-31-DP-25-01-S-0 9/9/2009	2-31-DP-25 4 - 5 2-31-DP-25-04-S-0 9/9/2009	2-31-DP-25 9 - 10 2-31-DP-25-09-S-0 9/9/2009	2-31-DP-26 0 - 1 2-31-DP-26-01-S-0 9/9/2009	2-31-DP-26 0 - 1 2-31-DP-26-01-S-4 9/9/2009	2-31-DP-26 4 - 5 2-31-DP-26-04-S-0 9/9/2009
VOCs (µg/kg)																							
Vinyl Chloride	EPA 8260C	4.59	1		0.9 U	1 U	1.2 U	1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 UJ	1.1 UJ	1.2 UJ	1 UJ	0.9 UJ	1.9 UJ
Acetone	EPA 8260C	355000	5		30	40	58	44	33 U	32 U	49	110	36	37	36 U	34 U	36 U	32 U	34 U	34 U	30 U	27 U	27 U
Carbon Disulfide	EPA 8260C	3640	1		1.6	1.8	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	2.1	0.8 U	1.4	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
1,1-Dichloroethene	EPA 8260C	2.73	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
Chloroform	EPA 8260C	141	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
2-Butanone	EPA 8260C	802000	5		4.4 UR	5 UR	5.9 UR	5.1 U	5.3 U	5.3 U	5.3 UR	6.1 UR	5.8 UR	5.3 UR	4.2 U	4.1 U	5 U	4.8 U	5.3 U	6.1 U	4.9 U	4.7 U	9.6 U
Trichloroethene	EPA 8260C	2	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	57	36	460 J
Benzene	EPA 8260C	25.3	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
Tetrachloroethene	EPA 8260C	8.72	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
Toluene	EPA 8260C	109000	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		1.8 U	2 U	2.4 U	2 U	2.1 U	2.1 U	2.1 U	2.4 U	2.3 U	2.1 U	1.7 U	1.6 U	2 U	1.9 U	2.1 U	2.4 U	2 U	1.9 U	3.8 U
m,p-Xylene	EPA 8260C	2910000000	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
o-Xylene	EPA 8260C	143000	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U	1.2 U	1 U	0.9 U	1.9 U
Naphthalene	EPA 8260C	40400	5		4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 U	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U	6.1 U	4.9 U	4.7 U	9.6 U
SVOCs (µg/kg)																							
Naphthalene	EPA 8270D	40400	67																				
2-Methylnaphthalene	EPA 8270D		67																				
Dimethylphthalate	EPA 8270D	169000	67																				
Acenaphthylene	EPA 8270D		67																				
Phenanthrene	EPA 8270D		67																				
Anthracene	EPA 8270D	6080000	67																				
Fluoranthene	EPA 8270D	44000	67																				
Pyrene	EPA 8270D	1750000	67																				
Benzo(a)anthracene	EPA 8270D	41.9	67																				
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67																				
Chrysene	EPA 8270D	46.6	67																				
Benzo(b)fluoranthene	EPA 8270D	144	67																				
Benzo(k)fluoranthene	EPA 8270D	144	67																				
Benzo(a)pyrene	EPA 8270D	113	67																				
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67																				
Dibenz(a,h)anthracene	EPA 8270D	210	67																				
Benzo(g,h,i)perylene	EPA 8270D		67																				
Naphthalene	EPA 8270DSIM	40400	5																				
2-Methylnaphthalene	EPA 8270DSIM		5																				
Acenaphthylene	EPA 8270DSIM		5																				
Phenanthrene	EPA 8270DSIM		5																				
Anthracene	EPA 8270DSIM	6080000	5																				
Fluoranthene	EPA 8270DSIM	44000	5																				
Pyrene	EPA 8270DSIM	1750000	5																				
Benzo(a)anthracene	EPA 8270DSIM	41.9	5																				
Chrysene	EPA 8270DSIM	46.6	5																				
Benzo(b)fluoranthene	EPA 8270DSIM	144	5																				
Benzo(k)fluoranthene	EPA 8270DSIM	144	5																				
Benzo(a)pyrene	EPA 8270DSIM	113	5																				
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5																				
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5																				
Benzo(g,h,i)perylene	EPA 8270DSIM		5																				
PCBs (µg/kg)																							
Aroclor 1254	EPA 8082	33	6.5																				
Aroclor 1260	EPA 8082	33	30																				
Total PCB	EPA 8082	33	30																				
Inorganics (mg/kg)																							
Aluminum	EPA 6010B		5		4490	12600	14500	12400	13100	12800	9650	8250	13900		9170	11000	18700	12200	15600	14500	5760		12800
Arsenic	EPA 6010B	7.3	5		5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	7 U		5 U	5 U	6	5 U	6 U	6 U	5 U		5 U
Barium	EPA 6010B	93300	0.3		13.9	37	42.6	40.3	37.8	38	22	53.5	43.4		37	35.9	67.8	38.2	53.2	54.7	1300		48.5
Beryllium	EPA 6010B	222	0.1		0.1 U	0.1 U	0.1 U	0.1	0.1	0.1	0.1 U	0.1 U	0.1 U		0.1	0.1	0.2	0.1	0.2	0.2	0.2		0.2
Cadmium	EPA 6010B	1.21	0.2		0.2 U	0.2 U	0.3 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3	0.2	0.2 U	0.2	0.2		0.2 U
Calcium	EPA 6010B		5		2340	7380	6320	8450	6430	5070	4930	3290	6070		11200	5280	6020	6160	4990	5020	2200		4580
Chromium	EPA 6010B		0.5		5.5	13.7	13.5	14	14.1	13.5	10.8	8.7	14.7		29.2	16.5	21.4	15	17.5	17.1	7.4		15.6
Cobalt	EPA 6010B		0.3		2	4.9	5	5.7	5.6	4.2	4.4	3.2	6.4		4	5.2	5.9	5.1	7	6.9	2.7		5.6
Copper	EPA 6010B	36.4	0.2		5.9	14.6	18.2	25.4	24.2	15.9	9.9	10.4	20.8		13.2	13.7	29.6	14.9	20.8	24	9.3		20.9
Iron	EPA 6010B		5		5230	12700	13800	16500	16800	14400	11900	8230	8160		12200	14500	22900	14400	16700	17800	7190		17500
Lead	EPA 6010B	1000	2		2 U	5	3 U	8	4	2 U	2 U	2 U	3 U		4	5	7	5	5	4	4		3
Magnesium	EPA 6010B		5		954	2580	2670	3690 J	3700	2530	2360	1570	2430		2620	3180	4710	3360	4040	4070	1430		3120
Manganese	EPA 6010B	1146	0.1		56.8	141	169	210 J	176	95.8	115	98.1	75.7		132	186	197	172	219	221	70.8		210
Mercury	EPA 7471A	0.07	0.02		0.03 U	0.02 U	0.03 U	0.02	0.03 U	0.03 U	0.02 U	0.03 U	0.03 U		0.02 U	0.02 U	0.07	0.03	0.06	0.06	0.04		0.02
Molybdenum	EPA 6010B	6670	0.5		0.5 U	0.5	0.6 U	0.5 U	0.5 U	0.6 U	0.5 U	0.6 U	0.7 U		6.3	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.5 U		0.5 U
Nickel	EPA 6010B	47.8	1		3	9	8	14	12	9	7	5	11		12	12	14	13	15	16	11		11
Silver	EPA 6010B	0.323	0.3		0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U	0.4 U		0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U		0.3 U
Thallium	EPA 200.8	0.669	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U
Tin	EPA 6010B		1		1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	2		1 U
Vanadium	EPA 6010B	9330	0.3		18.3	44.3	48.1	50.7	52.7	47.4	39.6	27.7	51		41.9	45.2	66.3	46	46.5	50.5	26.2		49.5
Zinc	EPA 6010B	101	1		12	31	23	48	38	25	30	16	28		29	41	41	37	43	40	41		33
Cyanide	EPA 335.2	0.202	0.05												0.051 U	0.052 U	0.067 U	0.048 U	0.054 U	0.055 U			
Total Solids (%)	EPA 160.3		0.01												97.2	96.2	74.8	93.6	82.3	83.5			
Petroleum Hydrocarbons (mg/kg)																							
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5																				
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10																				

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-26 4 - 5 2-31-DP-26-04-S-0 Reanalysis 9/9/2009	2-31-DP-26 9 - 10 2-31-DP-26-09-S-0 9/9/2009	2-31-DP-27 0 - 1 2-31-DP-27-01-S-0 9/15/2009	2-31-DP-27 4 - 5 2-31-DP-27-04-S-0 9/15/2009	2-31-DP-27 9 - 10 2-31-DP-27-09-S-0 9/15/2009	2-31-DP-27 9 - 10 2-31-DP-27-09-S-0 Reanalysis 9/15/2009	2-31-DP-28 0 - 1 2-31-DP-28-01-S-0 9/1/2009	2-31-DP-28 4 - 5 2-31-DP-28-04-S-0 9/1/2009	2-31-DP-28 9 - 10 2-31-DP-28-09-S-0 9/1/2009	2-31-DP-29 0 - 1 2-31-DP-29-01-S-0 9/8/2009	2-31-DP-29 4 - 5 2-31-DP-29-04-S-0 9/8/2009	2-31-DP-29 9 - 10 2-31-DP-29-09-S-0 9/8/2009	2-31-DP-30 9 - 10 2-31-DP-30-09-S-0 9/15/2009	2-31-DP-31 0 - 1 2-31-DP-31-01-S-0 8/31/2009	2-31-DP-31 0 - 1 2-31-DP-31-01-S-4 8/31/2009	2-31-DP-31 4 - 5 2-31-DP-31-04-S-0 8/31/2009	2-31-DP-31 9 - 10 2-31-DP-31-09-S-0 8/31/2009	2-31-DP-32 0 - 1 2-31-DP-32-01-S-0 8/31/2009
VOCs (µg/kg)																						
Vinyl Chloride	EPA 8260C	4.59	1		72 U	1.5 J	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	2.6	1 U
Acetone	EPA 8260C	355000	5		360 U	35 U	59	59	73	77	26 U	26 U	31 U	66	29 J	31	39	33 U	30 U	20 U	39 U	31 U
Carbon Disulfide	EPA 8260C	3640	1		72 U	1 UJ	1 U	1.1 U	5.8	5.3	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
1,1-Dichloroethene	EPA 8260C	2.73	1		72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.3	1 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	19	1 U
Chloroform	EPA 8260C	141	1		72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
2-Butanone	EPA 8260C	802000	5		360 U	5.2 UJ	5 UR	5.5 UR	6.9 J	8.4 J	4.8 U	5 U	5.5 U	4.6 UR	4.3 UJ	5.2 UR	4.9 UR	4.6 U	5.9 U	5.4 U	5.8 U	4.9 U
Trichloroethene	EPA 8260C	2	1		2000	1 UJ	1.9	4.5	1.3 U	1.3 U	34	21	1.1 U	0.9 U	22 J	1 U	1 U	24	30	24	2.8	80
Benzene	EPA 8260C	25.3	1		72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
Tetrachloroethene	EPA 8260C	8.72	1		72 U	1 UJ	1 U	1.2	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
Toluene	EPA 8260C	109000	1		72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		140 U	2.1 UJ	2 U	2.2 U	2.5 U	2.6 U	1.9 U	2 U	2.2 U	1.8 U	1.7 UJ	2.1 U	2 U	1.8 U	2.4 U	2.2 U	2.3 U	2 U
m,p-Xylene	EPA 8260C	2910000000	1		72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
o-Xylene	EPA 8260C	143000	1		72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U	1 U
Naphthalene	EPA 8260C	40400	5		360 U	5.2 UJ	5 U	5.5 U	6.3 UJ	6.4 UJ	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U	4.9 U
SVOCs (µg/kg)																						
Naphthalene	EPA 8270D	40400	67																			
2-Methylnaphthalene	EPA 8270D		67																			
Dimethylphthalate	EPA 8270D	169000	67																			
Acenaphthylene	EPA 8270D		67																			
Phenanthrene	EPA 8270D		67																			
Anthracene	EPA 8270D	6080000	67																			
Fluoranthene	EPA 8270D	44000	67																			
Pyrene	EPA 8270D	1750000	67																			
Benzo(a)anthracene	EPA 8270D	41.9	67																			
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67																			
Chrysene	EPA 8270D	46.6	67																			
Benzo(b)fluoranthene	EPA 8270D	144	67																			
Benzo(k)fluoranthene	EPA 8270D	144	67																			
Benzo(a)pyrene	EPA 8270D	113	67																			
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67																			
Dibenz(a,h)anthracene	EPA 8270D	210	67																			
Benzo(g,h,i)perylene	EPA 8270D		67																			
Naphthalene	EPA 8270DSIM	40400	5																			
2-Methylnaphthalene	EPA 8270DSIM		5																			
Acenaphthylene	EPA 8270DSIM		5																			
Phenanthrene	EPA 8270DSIM		5																			
Anthracene	EPA 8270DSIM	6080000	5																			
Fluoranthene	EPA 8270DSIM	44000	5																			
Pyrene	EPA 8270DSIM	1750000	5																			
Benzo(a)anthracene	EPA 8270DSIM	41.9	5																			
Chrysene	EPA 8270DSIM	46.6	5																			
Benzo(b)fluoranthene	EPA 8270DSIM	144	5																			
Benzo(k)fluoranthene	EPA 8270DSIM	144	5																			
Benzo(a)pyrene	EPA 8270DSIM	113	5																			
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5																			
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5																			
Benzo(g,h,i)perylene	EPA 8270DSIM		5																			
PCBs (µg/kg)																						
Aroclor 1254	EPA 8082	33	6.5								30 U	31 U	33 U				30 U	31 U		31 U	32 U	
Aroclor 1260	EPA 8082	33	30								30 U	31 U	33 U				30 U	31 U		31 U	32 U	
Total PCB	EPA 8082	33	30								30 U	31 U	33 U				30 U	31 U		31 U	32 U	
Inorganics (mg/kg)																						
Aluminum	EPA 6010B		5			17700	4750	10600	4090		2240	8380	14300	13200	7040	19200	13600	8190		9060	15500	9730
Arsenic	EPA 6010B	7.3	5			7 U	5 U	5 U	6 U		5 U	5 U	7 U	5 U	5 U	7 U	6 U	5 U		5 U	7 U	5 U
Barium	EPA 6010B	93300	0.3			53.9	14.5	37.2	13.1		9.6	22.6 J	41.9	38.4	1090	67	51.9	27.8		26.8	47.1	30.2
Beryllium	EPA 6010B	222	0.1			0.2	0.1 U	0.1 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1	0.1 U	0.2	0.1	0.1		0.1	0.2	0.1
Cadmium	EPA 6010B	1.21	0.2			0.3 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U		0.2 U	0.3 U	0.2 U
Calcium	EPA 6010B		5			5380	2630	4910	1090		1030	4140	5450	6500	3660	5170	5240	4090		4110	5900	4230
Chromium	EPA 6010B		0.5			18.1	10.7	11.9	4.3		3.4	12.1	15.1	23.7	9.2	16	15.3 J	11.3		12.2	18.6	12.8
Cobalt	EPA 6010B		0.3			5.8	3	4.4	1.4		1.7	4	4.3	8.4	2.9	4.5	4.8	4.2		4.5	7.5	4.3
Copper	EPA 6010B	36.4	0.2			26.7	6.3	11.4	6.5		2.7	9.2	16.8	41.9	8.1	18.8	23.9	8.7		9.7	23.4	11.1
Iron	EPA 6010B		5			16200	6730	13400	4080		3280	12200	13300	20900	8530	12300	11500	12100		12300	12800	12100
Lead	EPA 6010B	1000	2			4	2 U	3	3 U		3	2 U	3 U	2 U	3	4	3	2 U		2 U	3 U	11
Magnesium	EPA 6010B		5			3810	1600	2450	828		620	2220	2790	6770	1800	3620	2850	2230		2520	3180	2490
Manganese	EPA 6010B	1146	0.1			133	88.2	122	38.6		33.7	113	107	321	85.2	108	112 J	107		116	112	114
Mercury	EPA 7471A	0.07	0.02			0.04	0.03	0.04	0.15		0.03	0.02 U	0.03	0.02 U	0.02 U	0.04	0.03	0.02 U		0.02 U	0.03 U	0.03
Molybdenum	EPA 6010B	6670	0.5			0.7 U	0.5 U	0.5 U	0.6 U		0.5 U	0.5 U	0.7 U	0.5 U	0.5 U	0.7 U	0.6 U	0.5 U		0.5 U	0.7 U	0.5 U
Nickel	EPA 6010B	47.8	1			13	8	9	3		3	8	8	32	8	12	11	8		8	13	9
Silver	EPA 6010B	0.323	0.3			0.4 U	0.3 U	0.3 U	0.4 U		0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.4 U	0.3 U		0.3 U	0.4 U	0.3 U
Thallium	EPA 200.8	0.669	0.2			0.3 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.3 U	0.2 U
Tin	EPA 6010B		1			1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U
Vanadium	EPA 6010B	9330	0.3			53.5	17.6	34	14.1		10.4	41.4	45.2	63	27.2	37.3	48.6	37.8		38.4	61.2	38.2
Zinc	EPA 6010B	101	1			37	21	211	9		9	24 J	28	37	27	29	31	25		26	32	28
Cyanide	EPA 335.2	0.202	0.05				0.052 U	0.052 U	0.069 U		0.052 U	0.049 U	0.069 U	0.054 U	0.051 U	0.063 U						
Total Solids (%)	EPA 160.3		0.01				95.8	92.8	70.7		95.14	97.7	72.8	90.1	93.5	75.6						
Petroleum Hydrocarbons (mg/kg)																						
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5											5.4 U	5.6 U	7.2 U						
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10											11 U	11 U	18						

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-32 4 - 5 2-31-DP-32-04-S-0 8/31/2009	2-31-DP-32 9 - 10 2-31-DP-32-09-S-0 8/31/2009	2-31-DP-33 0 - 1 2-31-DP-33-01-S-0 8/31/2009	2-31-DP-33 0 - 4 2-31-DP-33-04-S-0 8/31/2009	2-31-DP-33 9 - 10 2-31-DP-33-09-S-0 8/31/2009	2-31-DP-34 0 - 1 2-31-DP-34-01-S-0 9/2/2009	2-31-DP-34 4 - 5 2-31-DP-34-04-S-0 9/2/2009	2-31-DP-34 4 - 5 2-31-DP-34-04-S-4 9/2/2009	2-31-DP-34 9 - 10 2-31-DP-34-09-S-0 9/2/2009	2-31-DP-35 0 - 1 2-31-DP-35-01-S-0 9/8/2009	2-31-DP-35 4 - 5 2-31-DP-35-04-S-0 9/8/2009	2-31-DP-35 9 - 10 2-31-DP-35-09-S-0 9/8/2009	2-31-DP-36 0 - 1 2-31-DP-36-01-S-0 9/1/2009	2-31-DP-36 4 - 5 2-31-DP-36-04-S-0 9/1/2009	2-31-DP-36 9 - 10 2-31-DP-36-09-S-0 9/1/2009	2-31-DP-37 0 - 1 2-31-DP-37-01-S-0 9/8/2009	2-31-DP-37 4 - 5 2-31-DP-37-04-S-0 9/8/2009	2-31-DP-37 9 - 10 2-31-DP-37-09-S-0 9/8/2009	2-31-DP-38 0 - 1 2-31-DP-38-01-S-0 9/3/2009
VOCs (µg/kg)																							
Vinyl Chloride	EPA 8260C	4.59	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	5.4	0.9 U	1.1 U	3.7	0.9 U	1.2 U	5.9	0.9 U	1 UJ	1.7	0.9 U
Acetone	EPA 8260C	355000	5		42 Q	41 U	27 U	50 Q	40 Q	31 Q	26 Q	31 Q	37 Q	28	37	65	22 U	29 U	46 U	35	55 J	30	28 U
Carbon Disulfide	EPA 8260C	3640	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	2.2	1.1 U	5	0.9 U	1.2 U	3.9	0.9 U	1 UJ	1.1 U	0.9 U
1,1-Dichloroethene	EPA 8260C	2.73	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		1 U	5.8	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	4.4	0.9 U	1.1 U	1.3 U	0.9 U	1.4	7	0.9 U	1 UJ	3.7	0.9 U
Chloroform	EPA 8260C	141	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
2-Butanone	EPA 8260C	802000	5		5.1 U	5.8 U	4.8 U	7.2 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 UR	5.5 UR	8.1 J	4.6 U	5.8 U	6 U	4.6 UR	4.8 UR	5.4 UR	4.6 U
Trichloroethene	EPA 8260C	2	1		41	19	60	37	1 U	36	38	65	1.2 U	0.9 U	7.6	1.3 U	12	98	1.9	0.9 U	3.3 J	1.1 U	23
Benzene	EPA 8260C	25.3	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
Tetrachloroethene	EPA 8260C	8.72	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
Toluene	EPA 8260C	109000	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		2 U	2.3 U	1.9 U	2.2 U	1.9 U	1.7 U	2.2 U	2.1 U	2.5 U	1.8 U	2.2 U	2.5 U	1.8 U	2.3 U	2.4 U	1.9 U	1.9 UJ	2.1 U	1.8 U
m,p-Xylene	EPA 8260C	2910000000	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
o-Xylene	EPA 8260C	143000	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U
Naphthalene	EPA 8260C	40400	5		5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U
SVOCs (µg/kg)																							
Naphthalene	EPA 8270D	40400	67																				62 U
2-Methylnaphthalene	EPA 8270D		67																				62 U
Dimethylphthalate	EPA 8270D	169000	67																				62 U
Acenaphthylene	EPA 8270D		67																				62 U
Phenanthrene	EPA 8270D		67																				62 U
Anthracene	EPA 8270D	6080000	67																				62 U
Fluoranthene	EPA 8270D	44000	67																				62 U
Pyrene	EPA 8270D	1750000	67																				62 U
Benzo(a)anthracene	EPA 8270D	41.9	67																				62 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67																				62 U
Chrysene	EPA 8270D	46.6	67																				62 U
Benzo(b)fluoranthene	EPA 8270D	144	67																				62 U
Benzo(k)fluoranthene	EPA 8270D	144	67																				62 U
Benzo(a)pyrene	EPA 8270D	113	67																				62 U
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67																				62 U
Dibenz(a,h)anthracene	EPA 8270D	210	67																				62 U
Benzo(g,h,i)perylene	EPA 8270D		67																				62 U
Naphthalene	EPA 8270DSIM	40400	5																				4.8 U
2-Methylnaphthalene	EPA 8270DSIM		5																				4.8 U
Acenaphthylene	EPA 8270DSIM		5																				4.8 U
Phenanthrene	EPA 8270DSIM		5																				4.8 U
Anthracene	EPA 8270DSIM	6080000	5																				4.8 U
Fluoranthene	EPA 8270DSIM	44000	5																				4.8 U
Pyrene	EPA 8270DSIM	1750000	5																				4.8 U
Benzo(a)anthracene	EPA 8270DSIM	41.9	5																				4.8 U
Chrysene	EPA 8270DSIM	46.6	5																				4.8 U
Benzo(b)fluoranthene	EPA 8270DSIM	144	5																				4.8 U
Benzo(k)fluoranthene	EPA 8270DSIM	144	5																				4.8 U
Benzo(a)pyrene	EPA 8270DSIM	113	5																				4.8 U
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5																				4.8 U
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5																				4.8 U
Benzo(g,h,i)perylene	EPA 8270DSIM		5																				4.8 U
PCBs (µg/kg)																							
Aroclor 1254	EPA 8082	33	6.5														32 U	33 U	32 U	31 U	30 U	32 U	32 U
Aroclor 1260	EPA 8082	33	30														32 U	33 U	32 U	31 U	67	32 U	32 U
Total PCB	EPA 8082	33	30														32 U	33 U	32 U	31 U	67	32 U	32 U
Inorganics (mg/kg)																							
Aluminum	EPA 6010B		5		9350	14100	9690	8410	13300	11300	10400		11900	11500	10900	19900	10800	13300	21100	7680	11900	13600	9150
Arsenic	EPA 6010B	7.3	5		5 U	7 U	5 UJ	5 U	6 U	5 U	5 U		7 U	5 U	8	7 U	5 U	5 U	7	5 U	5 U	6 U	5 U
Barium	EPA 6010B	93300	0.3		27.2	45.2	33.7	24.3	45.2	36.2	43.2		35.1	44	42.4	56.1	35.8	50.4	72.6	29.4	47.4	39.1	26.7
Beryllium	EPA 6010B	222	0.1		0.1	0.2	0.1	0.1	0.1	0.2	0.2		0.2	0.2	0.1	0.3	0.1	0.1	0.4	0.1 U	0.1	0.1	0.1
Cadmium	EPA 6010B	1.21	0.2		0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U		0.3 U	0.2 U	1.9	0.3 U	0.2 U	0.2 U	2.9	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B		5		4710	5180	4060	3900	4400	4410	4860		4420	6630	16400	6580	5300	6540	6550	3070	8680	5780	5020
Chromium	EPA 6010B		0.5		13.9	15.5	17.5 J	13.3	14	13.8	28.8		17.4	27.1	19.7	19.9	93.9	806	1430	16.5	17.2	249	94.3
Cobalt	EPA 6010B		0.3		4.3	4.4	4.5 J	3.8	4.4	11.1	5.3		4.3	6	6	7	4.8	5.8	7.6	4	5	5.7	5.7
Copper	EPA 6010B	36.4	0.2		9.4	23.2	11.7 J	8.2	17.6	14.8	14.7		15	11.5	19	29.6	9.8	14.3	27.6	7.2	14	14.5	11.9
Iron	EPA 6010B		5		12500	14800	12400	10600	9770	13900	12700		9870	14800	15100	16400	12900	14600	25900	9690	14200	11000	13600
Lead	EPA 6010B	1000	2		2 U	3 U	6 J	2 U	3 U	8	2 U		3 U	2 U	4	4	4	2	7	2 U	4	2 U	9
Magnesium	EPA 6010B		5		2450	2850	2590 J	2120	2450	2640	2480		2250	5510	4740	4200	2460	3220	4780	3550	3710	2630	3110
Manganese	EPA 6010B	1146	0.1		118	109	128 J	99.4	81.5	173	128		84.8	248	224	138	147	165	308	165	174	92.1	161
Mercury	EPA 7471A	0.07	0.02		0.02 U	0.03 U	0.03	0.02 U	0.03	0.03	0.03		0.04	0.02 U	0.02 U	0.05	0.03	0.02	0.08	0.02 U	0.02	0.03 U	0.02 U
Molybdenum	EPA 6010B	6670	0.5		0.5 U	0.8	0.5 UJ	0.5 U	0.6 U	0.5 U	0.5 U		0.7	0.5 U	0.5 U	0.7 U	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.6 U	0.9
Nickel	EPA 6010B	47.8	1		9	9	9 J	7	9	9	10		8	37	24	14	8	12	15	25	18	11	13
Silver	EPA 6010B	0.323	0.3		0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U		0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U
Thallium	EPA 200.8	0.669	0.2		0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U
Tin	EPA 6010B		1		1 U	1 U	1 UJ	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U
Vanadium	EPA 6010B	9330	0.3		41.5	54.1	37.5 J	36	39.2	44.2	41.8		38.2	36.3	40.1	60.4	42.7	42.7	63.8	25.3	39.7	39.9	39.1
Zinc	EPA 6010B	101	1		27	28	29 J	23	25	31	28		23	27	63	38	32	41	45	19	39	25	31
Cyanide	EPA 335.2	0.202	0.05																				
Total Solids (%)	EPA 160.3		0.01																				
Petroleum Hydrocarbons (mg/kg)																							
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5																				
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10																				

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-38 4 - 5 2-31-DP-38-04-S-0 9/3/2009	2-31-DP-38 9 - 10 2-31-DP-38-09-S-0 9/3/2009	2-31-DP-39 0 - 1 2-31-DP-39-01-S-0 9/16/2009	2-31-DP-39 4 - 5 2-31-DP-39-04-S-0 9/16/2009	2-31-DP-39 9 - 10 2-31-DP-39-09-S-0 9/16/2009	2-31-DP-39 9 - 10 2-31-DP-39-09-S-4 9/16/2009	2-31-DP-40 0 - 1 2-31-DP-40-01-S-0 9/2/2009	2-31-DP-40 4 - 5 2-31-DP-40-04-S-0 9/2/2009	2-31-DP-40 9 - 10 2-31-DP-40-09-S-0 9/2/2009	2-31-DP-41 0 - 1 2-31-DP-41-01-S-0 9/8/2009	2-31-DP-41 4 - 5 2-31-DP-41-04-S-0 9/8/2009	2-31-DP-41 9 - 10 2-31-DP-41-09-S-0 9/8/2009	2-31-DP-42 0 - 1 2-31-DP-42-01-S-0 9/14/2009	2-31-DP-42 4 - 5 2-31-DP-42-04-S-0 9/14/2009	2-31-DP-42 9 - 10 2-31-DP-42-09-S-0 9/14/2009	2-31-DP-43 0 - 1 2-31-DP-43-01-S-0 9/8/2009	2-31-DP-43 0 - 1 2-31-DP-43-01-S-0 Reanalysis 9/8/2009	2-31-DP-43 4 - 5 2-31-DP-43-04-S-0 9/8/2009
VOCs (µg/kg)																						
Vinyl Chloride	EPA 8260C	4.59	1		1 U	1.4	0.9 U	1 U	1.2 U	2.8	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
Acetone	EPA 8260C	355000	5		25 U	26 U	35	26 U	28 U	44	48 J	27 Q	88 Q	39	54	45	49 Q	35 Q	38 Q	49 J	57	24 U
Carbon Disulfide	EPA 8260C	3640	1		1 U	1.1	0.9 U	1 U	8.2	1.2 U	1 UJ	1 U	12	0.9 U	0.9 U	1.7	1 U	0.9 U	3.6	1.1 U	1 U	1 U
1,1-Dichloroethene	EPA 8260C	2.73	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		1 U	3.8	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		1 U	20	0.9 U	1 U	2.7	5.5	1 UJ	1 U	0.9 U	0.9 U	0.9 U	3.9	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
Chloroform	EPA 8260C	141	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9	1.1 U	1.1 U	1 U	1 U
2-Butanone	EPA 8260C	802000	5		5.2 U	5 U	4.6 U	4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	14 U	4.6 UR	4.4 UR	5.6	5.1 UR	4.3 UR	5.3 UR	5.6 J	5.2 J	4.8 U
Trichloroethene	EPA 8260C	2	1		17	180	1	3.6	5.2	3	1.3 J	2.5	2.7	0.9 U	2.8	1.1 U	2.8	25	1.1 U	7.2 J	10	2.9
Benzene	EPA 8260C	25.3	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1.1	1 U
Tetrachloroethene	EPA 8260C	8.72	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
Toluene	EPA 8260C	109000	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	1.9	1.2	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		2.1 U	2 U	1.9 U	2 U	2.3 U	2.4 U	1.9 UJ	2.1 U	1.9 U	1.8 U	1.8 U	2.1 U	2 U	1.7 U	2.1 U	2.2 U	2 U	1.9 U
m,p-Xylene	EPA 8260C	2910000000	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
o-Xylene	EPA 8260C	143000	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		1 U	1 U	0.9 U	1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U
Naphthalene	EPA 8260C	40400	5		5.2 U	5 U	4.6 U	4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U
SVOCs (µg/kg)																						
Naphthalene	EPA 8270D	40400	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
2-Methylnaphthalene	EPA 8270D		67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Dimethylphthalate	EPA 8270D	169000	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Acenaphthylene	EPA 8270D		67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Phenanthrene	EPA 8270D		67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Anthracene	EPA 8270D	6080000	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Fluoranthene	EPA 8270D	44000	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Pyrene	EPA 8270D	1750000	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Benzo(a)anthracene	EPA 8270D	41.9	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Chrysene	EPA 8270D	46.6	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Benzo(b)fluoranthene	EPA 8270D	144	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Benzo(k)fluoranthene	EPA 8270D	144	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Benzo(a)pyrene	EPA 8270D	113	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Dibenz(a,h)anthracene	EPA 8270D	210	67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Benzo(g,h,i)perylene	EPA 8270D		67		63 U	60 U	61 U	58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U						
Naphthalene	EPA 8270DSIM	40400	5		4.7 U	4.9 U	4.4 U	4.8 U	6.7		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U						
2-Methylnaphthalene	EPA 8270DSIM		5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U						
Acenaphthylene	EPA 8270DSIM		5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U						
Phenanthrene	EPA 8270DSIM		5		4.7 U	4.9 U	4.4 U	4.8 U	7.6		4.8	4.6 U	4.9 U	4.4 U	6.8	4.7 U						
Anthracene	EPA 8270DSIM	6080000	5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U						
Fluoranthene	EPA 8270DSIM	44000	5		4.7 U	4.9 U	4.4 U	4.8	11		4.8 U	4.6 U	4.9 U	4.4 U	4.8	4.7 U						
Pyrene	EPA 8270DSIM	1750000	5		4.7 U	4.9 U	4.4 U	5.2	9.5		4.8 U	4.6 U	4.9 U	4.4 U	8.2	4.7 U						
Benzo(a)anthracene	EPA 8270DSIM	41.9	5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	7.3	4.7 U						
Chrysene	EPA 8270DSIM	46.6	5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	11	4.7 U						
Benzo(b)fluoranthene	EPA 8270DSIM	144	5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	11	4.7 U						
Benzo(k)fluoranthene	EPA 8270DSIM	144	5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	7.3	4.7 U						
Benzo(a)pyrene	EPA 8270DSIM	113	5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	13	4.7 U						
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	8.7	4.7 U						
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5		4.7 U	4.9 U	4.4 U	4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U						
Benzo(g,h,i)perylene	EPA 8270DSIM		5		4.7 U	4.9 U	4.4 U	4.8 U	5.2		4.8 U	4.6 U	4.9 U	4.4 U	12	4.7 U						
PCBs (µg/kg)																						
Aroclor 1254	EPA 8082	33	6.5		31 U	32 U	31 U	33 U	33 U													
Aroclor 1260	EPA 8082	33	30		31 U	32 U	31 U	33 U	33 U													
Total PCB	EPA 8082	33	30		31 U	32 U	31 U	33 U	33 U													
Inorganics (mg/kg)																						
Aluminum	EPA 6010B		5		12200	12700	13300	10600 J	16900 J		7720	6490	9750	9860	13400	17400	15500	7630	10200	11000		8840
Arsenic	EPA 6010B	7.3	5		5 U	6 U	5 U	5 U	7 U		5 U	5 U	6 U	5 U	6 U	7 U	6 U	5 U	6 U	5 U		5 U
Barium	EPA 6010B	93300	0.3		35.7	33.3	45.4	33.7	50.4		34.9	19.4	29.1	29.4	44.3	48.8	53.4	2580	28.3	49.2		23.1
Beryllium	EPA 6010B	222	0.1		0.2	0.2	0.1	0.1	0.2		0.2	0.1 U	0.1	0.1 U	0.2	0.2	0.4	0.2	0.1 U	0.1		0.1 U
Cadmium	EPA 6010B	1.21	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.4		0.2 U	0.2 U	1.2	0.3	0.4	0.3 U	0.4	0.2 U	0.2 U	1		0.3
Calcium	EPA 6010B		5		5090	5400	6630 J	6480 J	6490 J		3540	2720	4180	4440	5200	6300	5870	3570	5000	5820		4580
Chromium	EPA 6010B		0.5		245	2120	22.3 J	16.5 J	460 J		9.7	9.8	734	15.6	17.9	503	17.7	10.7	131 J+	90.4		52.4
Cobalt	EPA 6010B		0.3		4.6	4.4	7.8 J	5.3 J	6.2 J		3.5	2.9	2.9	4.1	5	7.9	5.7	4.4	3.4	5.3		4
Copper	EPA 6010B	36.4	0.2		12	12.4	27 J	13.6 J	21 J		11.6	6.6	9.1	10.6	16.5	23.7	20.4	10.4	13	20.6		10.7
Iron	EPA 6010B		5		13400	11300	17800 J	12900 J	14100 J		10100	7930	9170	11700	13800	15100	15700	10200	10700	13800		11500
Lead	EPA 6010B	1000	2		3	2 U	3 J	10 J	6 J		2	2 U	2 U	2 U	4	3	5	8	2 U	24		3
Magnesium	EPA 6010B		5		2760	2440	5480 J	2790 J	3440 J		1950	1540	1900	2390	2860	3660	3290	1840	2100	2820		2170
Manganese	EPA 6010B	1146	0.1		128	101	270 J	135 J	128 J		92	71.6	83	114	134	125	157	102	107	205		114
Mercury	EPA 7471A	0.07	0.02		0.02 U	0.03 U	0.02 U	0.02 U	0.05		0.03	0.02 U	0.02 U	0.02 U	0.03	0.04	0.04	0.03	0.03	0.03		0.02 U
Molybdenum	EPA 6010B	6670	0.5		0.5 U	0.6 U	0.5 U	1	0.7		0.5 U	0.5 U	0.6 U	0.5 U	0.6 U	0.7 U	0.6 U	0.5	0.6 U	0.5 U		0.5 U
Nickel	EPA 6010B	47.8	1		9	9	28 J	11 J	11 J		10	6	10	9	11	15	14	20	8	12		9
Silver	EPA 6010B	0.323	0.3		0.3 U	0.4 U	0.3 U	0.3 U	0.4 U		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U	0.4 U	0.3 U	0.3 U	0.3 U		0.3 U
Thallium	EPA 200.8	0.669	0.2		0.2 U	0.3 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U
Tin	EPA 6010B		1		1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U		1 U
Vanadium	EPA 6010B	9330	0.3		41.4	41.7	54 J	41.6 J	50.5 J		32.1	25.9	33.9	38.5	44.4	53.8	47.1	44.3	40.3	45.8		43.2
Zinc	EPA 6010B	101	1		28	23	36 J	35 J	35 J		22	17	20	28	43	32	41	54	23	63		30
Cyanide	EPA 335.2	0.202	0.05				0.051 U	0.052 U	0.071 U													
Total Solids (%)	EPA 160.3		0.01				93.1	92.2	68.6													
Petroleum Hydrocarbons (mg/kg)																						
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5				5.2 U	5.3 U	7.7 U													
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10				10 U	10 U	34 J													

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-43 9 - 10 2-31-DP-43-09-S-0 9/8/2009	2-31-DP-44 0 - 1 2-31-DP-44-01-S-0 9/21/2009	2-31-DP-44 4 - 5 2-31-DP-44-04-S-0 9/21/2009	2-31-DP-44 9 - 10 2-31-DP-44-09-S-0 9/21/2009	2-31-DP-45 0 - 1 2-31-DP-45-01-S-0 9/9/2009	2-31-DP-45 4 - 5 2-31-DP-45-04-S-0 9/9/2009	2-31-DP-45 9 - 10 2-31-DP-45-09-S-0 9/9/2009	2-31-DP-46 0 - 1 2-31-DP-46-01-S-0 9/9/2009	2-31-DP-46 4 - 5 2-31-DP-46-04-S-0 9/9/2009	2-31-DP-46 9 - 10 2-31-DP-46-09-S-0 9/9/2009	2-31-DP-47 0 - 1 2-31-DP-47-01-S-0 9/8/2009	2-31-DP-47 0 - 1 2-31-DP-47-01-S-4 9/8/2009	2-31-DP-47 4 - 5 2-31-DP-47-04-S-0 9/8/2009	2-31-DP-47 9 - 10 2-31-DP-47-09-S-0 9/8/2009	2-31-DP-48 0 - 1 2-31-DP-48-01-S-0 9/3/2009	2-31-DP-48 4 - 5 2-31-DP-48-04-S-0 9/3/2009	2-31-DP-48 9 - 10 2-31-DP-48-09-S-0 9/3/2009	2-31-DP-49 0 - 1 2-31-DP-49-01-S-0 9/8/2009	2-31-DP-49 4 - 5 2-31-DP-49-04-S-0 9/8/2009
VOCs (µg/kg)																							
Vinyl Chloride	EPA 8260C	4.59	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 UJ	0.8 UJ	1 UJ	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
Acetone	EPA 8260C	355000	5		79	66	41	35	19 U	22 U	24 U	29 U	36	32 U	51	63	60	26	45 J	43 U	87	26	26
Carbon Disulfide	EPA 8260C	3640	1		1.2 U	1 U	5.2	4.9	0.9 U	2	2.4	0.9 U	3	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	15	1 U	1 U
1,1-Dichloroethene	EPA 8260C	2.73	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
trans-1,2-Dichloroethene	EPA 8260C	9120	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
cis-1,2-Dichloroethene	EPA 8260C	794	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
Chloroform	EPA 8260C	141	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
2-Butanone	EPA 8260C	802000	5		6 U	5 UR	4.2 UR	4.7 UR	4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	8	8.3 J	6.2 J	4.6 UR	4.4 UJ	5.7 U	15 U	4.7 UR	4.9 UR
Trichloroethene	EPA 8260C	2	1		2.3	1.5	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	2.4	1 U
Benzene	EPA 8260C	25.3	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
Tetrachloroethene	EPA 8260C	8.72	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
Toluene	EPA 8260C	109000	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		2.4 U	2 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	2 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 UJ	2.3 U	2.6 U	1.9 U	1.9 U
m,p-Xylene	EPA 8260C	2910000000	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
o-Xylene	EPA 8260C	143000	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		1.2 U	1 U	0.8 U	0.9 U	0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U
Naphthalene	EPA 8260C	40400	5		6 U	5 UJ	4.2 UJ	4.7 UJ	4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U
SVOCs (µg/kg)																							
Naphthalene	EPA 8270D	40400	67																				
2-Methylnaphthalene	EPA 8270D		67																				
Dimethylphthalate	EPA 8270D	169000	67																				
Acenaphthylene	EPA 8270D		67																				
Phenanthrene	EPA 8270D		67																				
Anthracene	EPA 8270D	6080000	67																				
Fluoranthene	EPA 8270D	44000	67																				
Pyrene	EPA 8270D	1750000	67																				
Benzo(a)anthracene	EPA 8270D	41.9	67																				
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67																				
Chrysene	EPA 8270D	46.6	67																				
Benzo(b)fluoranthene	EPA 8270D	144	67																				
Benzo(k)fluoranthene	EPA 8270D	144	67																				
Benzo(a)pyrene	EPA 8270D	113	67																				
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67																				
Dibenz(a,h)anthracene	EPA 8270D	210	67																				
Benzo(g,h,i)perylene	EPA 8270D		67																				
Naphthalene	EPA 8270DSIM	40400	5																				
2-Methylnaphthalene	EPA 8270DSIM		5																				
Acenaphthylene	EPA 8270DSIM		5																				
Phenanthrene	EPA 8270DSIM		5																				
Anthracene	EPA 8270DSIM	6080000	5																				
Fluoranthene	EPA 8270DSIM	44000	5																				
Pyrene	EPA 8270DSIM	1750000	5																				
Benzo(a)anthracene	EPA 8270DSIM	41.9	5																				
Chrysene	EPA 8270DSIM	46.6	5																				
Benzo(b)fluoranthene	EPA 8270DSIM	144	5																				
Benzo(k)fluoranthene	EPA 8270DSIM	144	5																				
Benzo(a)pyrene	EPA 8270DSIM	113	5																				
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5																				
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5																				
Benzo(g,h,i)perylene	EPA 8270DSIM		5																				
PCBs (µg/kg)																							
Aroclor 1254	EPA 8082	33	6.5			32 U	95 U	31 U	31 U	32 U	600	37 U	32 U	32 U	32 U		32 U	33 U					
Aroclor 1260	EPA 8082	33	30			93	430	48	31 U	350	830	820	700	32 U	36		32 U	33 U					
Total PCB	EPA 8082	33	30			93	430	48	31 U	350	1430	820	700	32 U	36		32 U	33 U					
Inorganics (mg/kg)																							
Aluminum	EPA 6010B		5		23300	12300	11100	14000	11500	10200	10100	12200	10300	11400	14500		16900	12900	14200	12800	23900	9420	5010
Arsenic	EPA 6010B	7.3	5		8 U	6	9	64	5 U	5 U	5 U	8	5	6 U	10		9	6 U	5 U	6 U	9	5 U	5 U
Barium	EPA 6010B	93300	0.3		88	41.7 J	56.2 J	96.9 J	39	56.8	34	51.5	2170	31.5	69.7		88.5	38.1	53.5	57.1	78.8	27.7	2890
Beryllium	EPA 6010B	222	0.1		0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1 U	0.2		0.2	0.2	0.2	0.2	0.4	0.1 U	0.1 U
Cadmium	EPA 6010B	1.21	0.2		0.4	0.2 U	0.4	0.9	0.2	0.3	0.2 U	0.3	0.4	0.2 U	0.3		0.3	0.3 U	0.3	0.2 U	0.5	0.2 U	1
Calcium	EPA 6010B		5		6170	7850	12100	37600	5980	8130	5730	15600	4840	5430	29300		37600	5820	5650	4320	6150	4620	2450
Chromium	EPA 6010B		0.5		47.5	15.1	32.6	28.4	13.1	13.1	16.6	18.5 J	16.8	10.4	26.8		31.6	14.5	22.1	14.9	25.9	11.2	18.3
Cobalt	EPA 6010B		0.3		5.3	6.2	6.3	6.8	6.2	4.6	4.8	5.7	6.3	3	9.8		14.1	5.7	7.2	5.5	8.1	4.1	2.4
Copper	EPA 6010B	36.4	0.2		20.7	20.3	49.8	140	15.3	23.7	13.9	33.9	22.6	13.4	34.9		44.9	14.4	18.5	19	43.7	10.1	6
Iron	EPA 6010B		5		16100	15500	16000	21800	13000	12600	13300	15500	13000	10400	19100		22400	10300	17200	15900	24400	12400	6060
Lead	EPA 6010B	1000	2		6	6	17	64	4	10	4	13	15	2 U	16		13	3 U	10	4	16	3	4
Magnesium	EPA 6010B		5		5100	3970 J+	4190	4530	2840	2590	2990	3950	2910	2040	6350		7480	2330	4970	3160	5840	2500	1110
Manganese	EPA 6010B	1146	0.1		133	229	190	264	156	132	147	200	168	82.7	309		450	84.3	302	182	258	123	46.4
Mercury	EPA 7471A	0.07	0.02		0.05	0.05	0.04	0.1	1.54	0.09	0.02 U	0.09	0.05	0.03 U	0.03		0.02	0.11	0.03	0.05	0.18	0.03 U	0.02
Molybdenum	EPA 6010B	6670	0.5		0.8 U	0.5 U	0.9	5.4	0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.6 U	0.7		1.6	0.6 U	0.5 U	0.6 U	0.7 U	0.5 U	0.5 U
Nickel	EPA 6010B	47.8	1		15	13	29	20	15	10	13	14	18	7	28		32	10	25	11	20	9	13
Silver	EPA 6010B	0.323	0.3		0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7		1.2	0.4 U	0.3 U	0.4 U	0.4 U	0.3 U	0.3 U
Thallium	EPA 200.8	0.669	0.2		0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U
Tin	EPA 6010B		1		2 U	1 U	1 U	6	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	EPA 6010B	9330	0.3		45.3	42	40	46.7	40.4	40.8	40.6	46.2 J	39.2	36.1	60		64.9	48.2	49.2	44.3	74.2	38.7	30.7
Zinc	EPA 6010B	101	1		47	46	202	671	39	96	41	106 J	90	21	64		64	29	41	32	65	27	28
Cyanide	EPA 335.2	0.202	0.05																0.052 U	0.062 U	0.081	0.051 U	0.092
Total Solids (%)	EPA 160.3		0.01																93.6	80.5	61.5	92.8	90.4
Petroleum Hydrocarbons (mg/kg)																							
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5																			5.3 U	8.1 J
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10																			11 U	16 U

Table 5-1b: Detected Constituents in Soil Compared to SLs

Constituent	Analytical Method	2004 Soil Screening Level	Laboratory RL	Location: Depth (ft bgs): Sample ID: Sample Date:	2-31-DP-49 9 - 10 2-31-DP-49-09-S-0 9/8/2009	2-31-DP-50 0 - 1 2-31-DP-50-01-S-0 9/9/2009	2-31-DP-50 4 - 5 2-31-DP-50-04-S-0 9/9/2009	2-31-DP-50 9 - 10 2-31-DP-50-09-S-0 9/9/2009	PL2-507B 0 - 1 2-31-PL2-507B-01-S-0 8/25/2009	PL2-507B 0 - 1 2-31-PL2-507B-01-S-0 Dilution 8/25/2009	PL2-507B 4 - 5 2-31-PL2-507B-04-S-0 8/25/2009	PL2-507B 9 - 10 2-31-PL2-507B-09-S-0 8/25/2009	PL2-507C 0 - 1 2-31-PL2-507C-01-S-0 8/24/2009	PL2-507C 4 - 5 2-31-PL2-507C-04-S-0 8/24/2009	PL2-507C 9 - 10 2-31-PL2-507C-09-S-0 8/24/2009
VOCs (µg/kg)															
Vinyl Chloride	EPA 8260C	4.59	1		0.9 U	1 UJ	0.9 UJ	0.9 UJ	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
Acetone	EPA 8260C	355000	5		38	16 U	24 U	30 U	22 U		20 U	22 U	26 U	37 U	43 U
Carbon Disulfide	EPA 8260C	3640	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
1,1-Dichloroethene	EPA 8260C	2.73	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
trans-1,2-Dichloroethene	EPA 8260C	9120	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
cis-1,2-Dichloroethene	EPA 8260C	794	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
Chloroform	EPA 8260C	141	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
2-Butanone	EPA 8260C	802000	5		4.5 UR	4.8 U	4.5 U	4.6 U	4.4 U		5 U	4.9 U	4.2 U	5 U	6.9 UJ
Trichloroethene	EPA 8260C	2	1		0.9 U	1 U	0.9	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
Benzene	EPA 8260C	25.3	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1.4	1.4 UJ
Tetrachloroethene	EPA 8260C	8.72	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
Toluene	EPA 8260C	109000	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
1,1,2-Trichlorotrifluoroethane	EPA 8260C	876000	2		1.8 U	1.9 U	1.8 U	1.8 U	1.8 U		2 U	2 U	1.7 U	2 U	2.8 UJ
m,p-Xylene	EPA 8260C	2910000000	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
o-Xylene	EPA 8260C	143000	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
1,3,5-Trimethylbenzene	EPA 8260C	4320	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
1,2,4-Trimethylbenzene	EPA 8260C	4130	1		0.9 U	1 U	0.9 U	0.9 U	0.9 U		1 U	1 U	0.8 U	1 U	1.4 UJ
Naphthalene	EPA 8260C	40400	5		4.5 U	4.8 U	4.5 U	4.6 U	4.4 U		5 U	4.9 U	4.2 U	5 U	6.9 UJ
SVOCs (µg/kg)															
Naphthalene	EPA 8270D	40400	67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
2-Methylnaphthalene	EPA 8270D		67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Dimethylphthalate	EPA 8270D	169000	67						12000 E	9900	59 U	64 U	60 U	60 U	64 U
Acenaphthylene	EPA 8270D		67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Phenanthrene	EPA 8270D		67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Anthracene	EPA 8270D	6080000	67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Fluoranthene	EPA 8270D	44000	67						160	360 U	59 U	64 U	60 U	81	64 U
Pyrene	EPA 8270D	1750000	67						120 U	360 U	59 U	64 U	60 U	68	64 U
Benzo(a)anthracene	EPA 8270D	41.9	67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	1570	67						160	360 U	59 U	64 U	60 U	69	64 U
Chrysene	EPA 8270D	46.6	67						120 U	360 U	59 U	64 U	60 U	66	64 U
Benzo(b)fluoranthene	EPA 8270D	144	67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Benzo(k)fluoranthene	EPA 8270D	144	67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Benzo(a)pyrene	EPA 8270D	113	67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Indeno(1,2,3-cd)pyrene	EPA 8270D	406	67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Dibenz(a,h)anthracene	EPA 8270D	210	67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Benzo(g,h,i)perylene	EPA 8270D		67						120 U	360 U	59 U	64 U	60 U	60 U	64 U
Naphthalene	EPA 8270DSIM	40400	5						14 U		4.8 U	4.8 U	5 U	4.8 U	4.6 U
2-Methylnaphthalene	EPA 8270DSIM		5						14 U		4.8 U	4.8 U	5 U	4.8 U	4.6 U
Acenaphthylene	EPA 8270DSIM		5						14 U		4.8 U	4.8 U	24	7.3	4.6 U
Phenanthrene	EPA 8270DSIM		5						130		4.8 U	8.2	50	15	4.6 U
Anthracene	EPA 8270DSIM	6080000	5						28		4.8 U	4.8 U	46	14	4.6 U
Fluoranthene	EPA 8270DSIM	44000	5						250		11	4.8 U	180	58	4.6 U
Pyrene	EPA 8270DSIM	1750000	5						280		11	4.8 U	160	60	4.6 U
Benzo(a)anthracene	EPA 8270DSIM	41.9	5						120		4.8	4.8 U	170	28	4.6 U
Chrysene	EPA 8270DSIM	46.6	5						170		7.8	4.8 U	170	40	4.6 U
Benzo(b)fluoranthene	EPA 8270DSIM	144	5						110		7.8	4.8 U	190	32	4.6 U
Benzo(k)fluoranthene	EPA 8270DSIM	144	5						120		5.8	4.8 U	150	33	4.6 U
Benzo(a)pyrene	EPA 8270DSIM	113	5						120		6.3	4.8 U	180	32	4.6 U
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	406	5						80		5.3	4.8 U	160	32	4.6 U
Dibenz(a,h)anthracene	EPA 8270DSIM	210	5						31		4.8 U	4.8 U	39	8.2	4.6 U
Benzo(g,h,i)perylene	EPA 8270DSIM		5						100		6.8	4.8 U	220	61	4.6 U
PCBs (µg/kg)															
Aroclor 1254	EPA 8082	33	6.5			30 U	30 U	32 U	32 U		33 U	32 U	30 U	33 U	32 U
Aroclor 1260	EPA 8082	33	30			30 U	30 U	32 U	32 U		33 U	32 U	30 U	33 U	32 U
Total PCB	EPA 8082	33	30			30 U	30 U	32 U	32 U		33 U	32 U	30 U	33 U	32 U
Inorganics (mg/kg)															
Aluminum	EPA 6010B		5		5590	10100	10000	8490	9160		7240	9850	13000	10400	12000
Arsenic	EPA 6010B	7.3	5		6 U	5 U	14	5 U	5 U		5 U	6 U	5 U	5 U	5 U
Barium	EPA 6010B	93300	0.3		21.3	55.9	39.6	33.4	35.7		20.1	27.9	43.3	47.1	41.9
Beryllium	EPA 6010B	222	0.1		0.1 U	0.1	0.1	0.1 U	0.1		0.1 U	0.1 U	0.2	0.2	0.2
Cadmium	EPA 6010B	1.21	0.2		0.2 U	0.3	0.2	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B		5		3120	9920	20400	4080	8440		4340	4950	7570	6320	7090
Chromium	EPA 6010B		0.5		6.6	26.2	18	13.7	14.1		11.9	12.4	22.4	17.9	21.8
Cobalt	EPA 6010B		0.3		2.6	58.1	4.9	3.3	5.4		3.7	4.1	7.8	5.7	7
Copper	EPA 6010B	36.4	0.2		6.1	14.5	19.1	8.8	20.7 J		10.3 J	11.4 J	52 J	23.8 J	23.2 J
Iron	EPA 6010B		5		5100	14600	13700	11000	13200		9860	8940	20100	15300	16600
Lead	EPA 6010B	1000	2		2 U	5	7	2 U	10		4	2 U	12	25	16
Magnesium	EPA 6010B		5		1110	5750	3470	2100	2810		1680	1910	5530	3550	3680
Manganese	EPA 6010B	1146	0.1		47.3	218	209	97.8	161		106	79.3	286	192	256
Mercury	EPA 7471A	0.07	0.02		0.02 U	0.02 U	0.02	0.02 U	0.02 U		0.02 U	0.02 U	0.03	0.04	0.04
Molybdenum	EPA 6010B	6670	0.5		0.6 U	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.6 U	0.5 U	0.5 U	0.5 U
Nickel	EPA 6010B	47.8	1		4	32	14	7	11		7	9	18	16	20
Silver	EPA 6010B	0.323	0.3		0.4 U	7.8	0.3 U	0.3 U	0.3 U		0.3 U	0.4 U	0.3 U	0.3 U	0.3 U
Thallium	EPA 200.8	0.669	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B		1		1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 UJ	1 U	1 U
Vanadium	EPA 6010B	9330	0.3		23.7	36.9	38.4	40.3	42.3		37.4	39.4	56.5	42.1	49.7
Zinc	EPA 6010B	101	1		14	38	58	21	46		27	24	49	44	43
Cyanide	EPA 335.2	0.202	0.05		0.059 U				0.055 U		0.051 U	0.057 U	0.051 U	0.05 U	0.064
Total Solids (%)	EPA 160.3		0.01		78.8				90.3		91.8	77.7	91.4	92.8	88.9
Petroleum Hydrocarbons (mg/kg)															
TPH - Diesel Range	NWTPH-Dx-Cleaned	2000	5		6.2 U										
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	2000	10		12 U										

Table 5-2a: Explanation of Data Qualifiers

Data Qualifier	Explanation
Data Qualifiers Used by the Contract Laboratory – Analytical Resources, Inc.	
U	The compound was analyzed for, but not detected at the reported concentration.
J	Indicates an estimated concentration when a value is less than the calculated reporting limit.
D	Indicates the surrogate/spike(s) was not detected due to dilution of extract.
NR	Indicates the surrogate recovery cannot be reported due to matrix interference.
E	Indicates a value above the linear range of the detector, sample dilution is required.
S	Indicates no value reported due to saturation of the detector, sample dilution required.
NA	Indicates compound was not analyzed for.
M	Indicates an estimated value of analyte found and confirmed by the analyst but with a low spectral match (GC-MS).
B	Indicates possible/probable blank contamination. Flagged when the analyte is detected in the blank as well as in the sample.
Y	Indicates raised reporting limit due to background interference or to activity in the instrument. Compound is still not detected at or above the raised level.
C	Indicates a probable detection that cannot be confirmed due to matrix interferences.
P	Indicates a high RPD between detected concentrations for dual column GC analyses without obvious interference.
H	Holding times have been exceeded. Results and quantitation limits may be biased low.
UI	Results or quantitation limit is elevated due to analytical interference.
Data Validation Qualifiers for Organic Analyses	
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.

Table 5-2a: Explanation of Data Qualifiers

UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
Data Validation Qualifiers for Inorganic Analyses	
U	The compound was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-01	2-31-DP-01	2-31-DP-01	2-31-DP-01	2-31-DP-02	2-31-DP-02	2-31-DP-02	2-31-DP-03	2-31-DP-03	2-31-DP-03	2-31-DP-03	2-31-DP-04	2-31-DP-04	2-31-DP-04	2-31-DP-05	2-31-DP-05	2-31-DP-05	2-31-DP-05	2-31-DP-06	2-31-DP-06	2-31-DP-06	2-31-DP-07	2-31-DP-07
			Depth:	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-01-01-S-0	2-31-DP-01-01-S-4	2-31-DP-01-04-S-0	2-31-DP-01-09-S-0	2-31-DP-02-01-S-0	2-31-DP-02-04-S-0	2-31-DP-02-09-S-0	2-31-DP-03-01-S-0	2-31-DP-03-04-S-0	2-31-DP-03-04-S-4	2-31-DP-03-09-S-0	2-31-DP-04-01-S-0	2-31-DP-04-04-S-0	2-31-DP-04-09-S-0	2-31-DP-05-01-S-0	2-31-DP-05-04-S-0	2-31-DP-05-09-S-0	2-31-DP-05-09-S-4	2-31-DP-06-01-S-0	2-31-DP-06-04-S-0	2-31-DP-06-09-S-0	2-31-DP-07-01-S-0	2-31-DP-07-04-S-0
			Date:	9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/24/2009	9/24/2009	9/24/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	8/31/2009	8/31/2009	8/31/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/1/2009	9/1/2009	9/1/2009	9/3/2009	9/3/2009
VOCs (µg/kg)																										
Chloromethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Bromomethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 UJ	1 U	1.3 UJ	1.1 U	1 UJ	0.9 UJ	1.1 UJ	1.3 UJ	1 U	1.1 U	1 UJ	0.8 U	1 U
Vinyl Chloride	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	13	1 U	1.3 UJ	1.9	1 U	0.9 U	8.3	8.2	1 U	1.1 U	3.3 J	0.8 U	1 U
Chloroethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Methylene Chloride	EPA 8260C	2		3 U	2.1 U	2.9 U	4.2 U	2.8 U	2.5 U	3.2 U	3.4 U	3 U	2.9 U	3.6 U	2.3 U	4.7 U	2.6 U	2.1 U	2 U	2.8 U	3.7 U	2.6 U	2.8 U	2.6 U	2.3 U	4.4 U
Acetone	EPA 8260C	5		22 U	18 U	32 U	19 U	10 U	29	30	26 U	20 U	18 U	70	26 U	38 U	27 U	29 Q	30 Q	41 Q	55 Q	21 U	34 U	33 U	22 U	29 U
Carbon Disulfide	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	2.6	1 U	1.3 UJ	1.1 U	1.4	0.9 U	1.3	2.2	1 U	1.1 U	1.2 J	0.8 U	1 U
1,1-Dichloroethene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,1-Dichloroethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
trans-1,2-Dichloroethene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
cis-1,2-Dichloroethene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	2.1	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	9.8 J	8.1	7.6
Chloroform	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,2-Dichloroethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
2-Butanone	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	9.5 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.7 U	8.1 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
1,1,1-Trichloroethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Carbon Tetrachloride	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Vinyl Acetate	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
Bromodichloromethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,2-Dichloropropane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
cis-1,3-Dichloropropene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Trichloroethene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	29	7.2	9.6	1.8 U	170	56 J	1.1 U	1 U	7	1.1 U	1.3 U	23	44	1 UJ	100	110
Dibromochloromethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,1,2-Trichloroethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Benzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1.2
trans-1,3-Dichloropropene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
2-Chloroethylvinylether	EPA 8260C	5		4.8 UR	5.1 UR	5.7 UR	5.8 UR	4.3 UR	4.5 UR	4.9 UR	5.1 UR	5.3 UR	5.3 UR	8.9 UR	5.2 UR	6.4 UR	5.3 UR	5.2 UR	4.6 UR	5.5 UR	6.4 UR	4.8 UR	5.3 UR	5.2 UR	4.2 UR	5.2 UR
Bromoform	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Methyl isobutyl ketone	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
2-Hexanone	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
Tetrachloroethene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,1,2,2-Tetrachloroethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Toluene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Chlorobenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Ethylbenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Styrene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Trichlorofluoromethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2		1.9 U	2 U	2.3 U	2.3 U	1.7 U	1.8 U	2 U	2.1 U	2.1 U	2.1 U	3.6 U	3.8	2.6 UJ	2.1 U	2.1 U	1.8 U	2.2 U	2.6 U	1.9 U	2.1 U	2.1 UJ	1.7 U	2.1 U
m,p-Xylene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
o-Xylene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,2-Dichlorobenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,3-Dichlorobenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,4-Dichlorobenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Acrolein	EPA 8260C	50		48 U	51 U	57 U	58 U	43 U	45 U	49 U	51 U	53 U	53 U	89 U	52 U	64 UJ	53 U	52 U	46 U	55 U	64 U	48 U	53 U	52 UR	42 U	52 U
Methyl Iodide	EPA 8260C	1		1 UJ	1 UJ	1.1 UJ	1.2 UJ	0.9 UJ	0.9 UJ	1 UJ	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Bromoethane	EPA 8260C	2		1.9 U	2 U	2.3 U	2.3 U	1.7 U	1.8 U	2 U	2.1 U	2.1 U	2.1 U	3.6 U	2.1 U	2.6 UJ	2.1 U	2.1 U	1.8 U	2.2 U	2.6 U	1.9 U	2.1 U	2.1 UJ	1.7 U	2.1 U
Acrylonitrile	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
1,1-Dichloropropene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Dibromomethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,1,1,2-Tetrachloroethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,2-Dibromo-3-chloropropane	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
1,2,3-Trichloropropane	EPA 8260C	2		1.9 U	2 U	2.3 U	2.3 U	1.7 U	1.8 U	2 U	2.1 U	2.1 U	2.1 U	3.6 U	2.1 U	2.6 UJ	2.1 U	2.1 U	1.8 U	2.2 U	2.6 U	1.9 U	2.1 U	2.1 UJ	1.7 U	2.1 U
trans-1,4-Dichloro-2-butene	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
1,3,5-Trimethylbenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,2,4-Trimethylbenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Hexachlorobutadiene	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
Ethylene Dibromide	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Bromochloromethane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
2,2-Dichloropropane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
1,3-Dichloropropane	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Isopropylbenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
n-Propylbenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
Bromobenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
2-Chlorotoluene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
4-Chlorotoluene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
tert-Butylbenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
sec-Butylbenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
4-Isopropyltoluene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 U	1.1 U	1 U	1.8 U	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 U	1.1 U	1 UJ	0.8 U	1 U
n-Butylbenzene	EPA 8260C	1		1 U	1 U	1.1 U	1.2 U	0.9 U	0.9 U	1 U	1 UJ	1.1 UJ	1 UJ	1.8 UJ	1 U	1.3 UJ	1.1 U	1 U	0.9 U	1.1 U	1.3 U	1 UJ	1.1 UJ	1 UJ	0.8 U	1 U
1,2,4-Trichlorobenzene	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
Naphthalene	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UJ	4.2 U	5.2 U
1,2,3-Trichlorobenzene	EPA 8260C	5		4.8 U	5.1 U	5.7 U	5.8 U	4.3 U	4.5 U	4.9 U	5.1 U	5.3 U	5.3 U	8.9 U	5.2 U	6.4 UJ	5.3 U	5.2 U	4.6 U	5.5 U	6.4 U	4.8 U	5.3 U	5.2 UR	4.2 U	5.2 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-01	2-31-DP-01	2-31-DP-01	2-31-DP-01	2-31-DP-02	2-31-DP-02	2-31-DP-02	2-31-DP-03	2-31-DP-03	2-31-DP-03	2-31-DP-03	2-31-DP-04	2-31-DP-04	2-31-DP-04	2-31-DP-05	2-31-DP-05	2-31-DP-05	2-31-DP-05	2-31-DP-06	2-31-DP-06	2-31-DP-06	2-31-DP-07	2-31-DP-07
			Depth:	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-01-01-S-0	2-31-DP-01-01-S-4	2-31-DP-01-04-S-0	2-31-DP-01-09-S-0	2-31-DP-02-01-S-0	2-31-DP-02-04-S-0	2-31-DP-02-09-S-0	2-31-DP-03-01-S-0	2-31-DP-03-04-S-0	2-31-DP-03-04-S-4	2-31-DP-03-09-S-0	2-31-DP-04-01-S-0	2-31-DP-04-04-S-0	2-31-DP-04-09-S-0	2-31-DP-05-01-S-0	2-31-DP-05-04-S-0	2-31-DP-05-09-S-0	2-31-DP-05-09-S-4	2-31-DP-06-01-S-0	2-31-DP-06-04-S-0	2-31-DP-06-09-S-0	2-31-DP-07-01-S-0	2-31-DP-07-04-S-0
			Date:	9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/24/2009	9/24/2009	9/24/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	8/31/2009	8/31/2009	8/31/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/1/2009	9/1/2009	9/1/2009	9/3/2009	9/3/2009
SVOCs (µg/kg)																										
Phenol	EPA 8270D	67						64 U	59 U	66 U																
bis(2-Chloroethyl)ether	EPA 8270D	67						64 U	59 U	66 U																
2-Chlorophenol	EPA 8270D	67						64 U	59 U	66 U																
1,3-Dichlorobenzene	EPA 8270D	67						64 U	59 U	66 U																
1,4-Dichlorobenzene	EPA 8270D	67						64 U	59 U	66 U																
Benzyl Alcohol	EPA 8270D	330						320 U	300 U	330 U																
1,2-Dichlorobenzene	EPA 8270D	67						64 U	59 U	66 U																
2-Methylphenol	EPA 8270D	67						64 U	59 U	66 U																
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67						64 U	59 U	66 U																
4-Methylphenol	EPA 8270D	67						64 U	59 U	66 U																
N-Nitroso-Di-N-Propylamine	EPA 8270D	330						320 U	300 U	330 U																
Hexachloroethane	EPA 8270D	67						64 U	59 U	66 U																
Nitrobenzene	EPA 8270D	67						64 U	59 U	66 U																
Isophorone	EPA 8270D	67						64 U	59 U	66 U																
2-Nitrophenol	EPA 8270D	67						64 U	59 U	66 U																
2,4-Dimethylphenol	EPA 8270D	67						64 U	59 U	66 U																
Benzoic Acid	EPA 8270D	670						640 U	590 U	660 U																
bis(2-Chloroethoxy)methane	EPA 8270D	67						64 U	59 U	66 U																
2,4-Dichlorophenol	EPA 8270D	330						320 U	300 U	330 U																
1,2,4-Trichlorobenzene	EPA 8270D	67						64 U	59 U	66 U																
Naphthalene	EPA 8270D	67						64 U	59 U	66 U																
4-Chloroaniline	EPA 8270D	330						320 U	300 U	330 U																
Hexachlorobutadiene	EPA 8270D	67						64 U	59 U	66 U																
4-Chloro-3-methylphenol	EPA 8270D	330						320 U	300 U	330 U																
2-Methylnaphthalene	EPA 8270D	67						64 U	59 U	66 U																
Hexachlorocyclopentadiene	EPA 8270D	330						320 UR	300 UR	330 UR																
2,4,6-Trichlorophenol	EPA 8270D	330						320 U	300 U	330 U																
2,4,5-Trichlorophenol	EPA 8270D	330						320 U	300 U	330 U																
2-Chloronaphthalene	EPA 8270D	67						64 U	59 U	66 U																
2-Nitroaniline	EPA 8270D	330						320 U	300 U	330 U																
Dimethylphthalate	EPA 8270D	67						64 U	59 U	66 U																
Acenaphthylene	EPA 8270D	67						64 U	59 U	66 U																
3-Nitroaniline	EPA 8270D	330						320 U	300 U	330 U																
Acenaphthene	EPA 8270D	67						64 U	59 U	66 U																
2,4-Dinitrophenol	EPA 8270D	670						640 UJ	590 UJ	660 UJ																
4-Nitrophenol	EPA 8270D	330						320 U	300 U	330 U																
Dibenzofuran	EPA 8270D	67						64 U	59 U	66 U																
2,6-Dinitrotoluene	EPA 8270D	330						320 U	300 U	330 U																
2,4-Dinitrotoluene	EPA 8270D	330						320 U	300 U	330 U																
Diethylphthalate	EPA 8270D	67						64 U	59 U	66 U																
4-Chlorophenyl-phenylether	EPA 8270D	67						64 U	59 U	66 U																
Fluorene	EPA 8270D	67						64 U	59 U	66 U																
4-Nitroaniline	EPA 8270D	330						320 U	300 U	330 U																
4,6-Dinitro-2-Methylphenol	EPA 8270D	670						640 U	590 U	660 U																
N-Nitrosodiphenylamine	EPA 8270D	67						64 U	59 U	66 U																
4-Bromophenyl-phenylether	EPA 8270D	67						64 U	59 U	66 U																
Hexachlorobenzene	EPA 8270D	67						64 U	59 U	66 U																
Pentachlorophenol	EPA 8270D	330						320 U	300 U	330 U																
Phenanthrene	EPA 8270D	67						64 U	59	66 U																
Carbazole	EPA 8270D	67						64 U	59 U	66 U																
Anthracene	EPA 8270D	67						64 U	59 U	66 U																
Di-n-Butylphthalate	EPA 8270D	67						64 U	59 U	66 U																
Fluoranthene	EPA 8270D	67						64 U	59 U	80																
Pyrene	EPA 8270D	67						64 U	59 U	66 U																
Butylbenzylphthalate	EPA 8270D	67						64 U	59 U	66 U																
3,3'-Dichlorobenzidine	EPA 8270D	330						320 U	300 U	330 U																
Benzo(a)anthracene	EPA 8270D	67						64 U	59 U	66 U																
bis(2-Ethylhexyl)phthalate	EPA 8270D	67						64 U	59 U	190																
Chrysene	EPA 8270D	67						64 U	59 U	66 U																
Di-n-octylphthalate	EPA 8270D	67						64 U	59 U	66 U																
Benzo(b)fluoranthene	EPA 8270D	67						64 U	59 U	66 U																
Benzo(k)fluoranthene	EPA 8270D	67						64 U	59 U	66 U																
Benzo(a)pyrene	EPA 8270D	67						64 U	59 U	66 U																
Indeno(1,2,3-cd)pyrene	EPA 8270D	67						64 U	59 U	66 U																
Dibenz(a,h)anthracene	EPA 8270D	67						64 U	59 U	66 U																
Benzo(g,h,i)perylene	EPA 8270D	67						64 U	59 U	66 U																
1-Methylnaphthalene	EPA 8270D	67						64 U	59 U	66 U																
Naphthalene	EPA 8270DSIM	5						4.8 U	4.8 U	4.7 U																
2-Methylnaphthalene	EPA 8270DSIM	5						4.8 U	5.2	4.7 U																
1-Methylnaphthalene	EPA 8270DSIM	5						4.8 U	4.8 U	4.7 U																
Acenaphthylene	EPA 8270DSIM	5						4.8 U	4.8 U	4.7 U																
Acenaphthene	EPA 8270DSIM	5						4.8 U	4.8 U	4.7 U																
Fluorene	EPA 8270DSIM	5						4.8 U	4.8 U	4.7 U																
Phenanthrene	EPA 8270DSIM	5						7.7	69 J	17																
Anthracene	EPA 8270DSIM	5						4.8 U	4.8 U	4.7 U																
Fluoranthene	EPA 8270DSIM	5						22	4.8 U	23																
Pyrene	EPA 8270DSIM	5						27	10	17																
Benzo(a)anthracene	EPA 8270DSIM	5						13	7.1	5.6																
Chrysene	EPA 8270DSIM	5						16	29	7.9																
Benzo(b)fluoranthene	EPA 8270DSIM	5						11	7.6	4.7 U																
Benzo(k)fluoranthene	EPA 8270DSIM	5						15	7.6	4.7 U																
Benzo(a)pyrene	EPA 8270DSIM	5						17	11	4.7 U																
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5						11	5.7	4.7 U																
Dibenz(a,h)anthracene	EPA 8270DSIM	5						4.8 U	4.8	4.7 U																
Benzo(g,h,i)perylene	EPA 8270DSIM	5						13	11	4.7 U																
Dibenzofuran	EPA 8270DSIM	5						4.8 U	4.8 U	4.7 U																

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-01	2-31-DP-01	2-31-DP-01	2-31-DP-01	2-31-DP-02	2-31-DP-02	2-31-DP-02	2-31-DP-03	2-31-DP-03	2-31-DP-03	2-31-DP-03	2-31-DP-04	2-31-DP-04	2-31-DP-04	2-31-DP-05	2-31-DP-05	2-31-DP-05	2-31-DP-05	2-31-DP-06	2-31-DP-06	2-31-DP-06	2-31-DP-07	2-31-DP-07
			Depth:	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-01-01-S-0	2-31-DP-01-01-S-4	2-31-DP-01-04-S-0	2-31-DP-01-09-S-0	2-31-DP-02-01-S-0	2-31-DP-02-04-S-0	2-31-DP-02-09-S-0	2-31-DP-03-01-S-0	2-31-DP-03-04-S-0	2-31-DP-03-04-S-4	2-31-DP-03-09-S-0	2-31-DP-04-01-S-0	2-31-DP-04-04-S-0	2-31-DP-04-09-S-0	2-31-DP-05-01-S-0	2-31-DP-05-04-S-0	2-31-DP-05-09-S-0	2-31-DP-05-09-S-4	2-31-DP-06-01-S-0	2-31-DP-06-04-S-0	2-31-DP-06-09-S-0	2-31-DP-07-01-S-0	2-31-DP-07-04-S-0
			Date:	9/16/2009	9/16/2009	9/16/2009	9/16/2009	9/24/2009	9/24/2009	9/24/2009	9/1/2009	9/1/2009	9/1/2009	9/1/2009	8/31/2009	8/31/2009	8/31/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/1/2009	9/1/2009	9/1/2009	9/3/2009	9/3/2009
PCBs (µg/kg)																										
Aroclor 1016	EPA 8082	33																31 U	31 U	33 U						
Aroclor 1242	EPA 8082	33																31 U	31 U	33 U						
Aroclor 1248	EPA 8082	33																31 U	31 U	33 U						
Aroclor 1254	EPA 8082	33																31 U	31 U	33 U						
Aroclor 1260	EPA 8082	33																31 U	31 U	33 U						
Aroclor 1221	EPA 8082	33																31 U	31 U	33 U						
Aroclor 1232	EPA 8082	33																31 U	31 U	33 U						
Aroclor 1262	EPA 8082	33																31 U	31 U	33 U						
Aroclor 1268	EPA 8082	33																31 U	31 U	33 U						
Total PCB	EPA 8082	33																31 U	31 U	33 U						
Inorganics (mg/kg)																										
Aluminum	EPA 6010B	5		6280 J+		5530 J	8300 J	10300	12800	11700	9600	8420		15600	10900	7720	13200	11400	10000	12000		12300	10400	15900	10000	10500
Antimony	EPA 6010B	5		5 UJ		5 UJ	6 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ		7 UJ	5 UJ	5 UJ	7 UJ	5 UJ	5 UJ	6 UJ		5 UJ	6 UJ	6 UJ	5 UJ	5 UJ
Arsenic	EPA 6010B	5		5 U		5 U	6 U	5 U	5 U	6 U	5 U	5 U		7 U	5 U	5 U	7 U	5 U	5 U	6 U		5 U	6 U	6 U	5 U	5 U
Barium	EPA 6010B	0.3		25.7		1950	25.2	41.1	57.4	40.7	30.1	22.1		51.3	37.2	23.3	36.3	46.8	35.4	36.2		41.6	35.9	50.9	26.7	33.5
Beryllium	EPA 6010B	0.1		0.1 U		0.1 U	0.1 U	0.2	0.2	0.1	0.2	0.2		0.3	0.2	0.1 U	0.2	0.2	0.2	0.2		0.1	0.2	0.2	0.1	0.1
Cadmium	EPA 6010B	0.2		0.2 U		0.2 U	0.2 U	0.2 U	0.2	0.9	0.2 U	0.2 U		0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U
Calcium	EPA 6010B	5		3210 J+		2800 J	4200 J	4660	5610	5910	4270	4260		5720	4600	3520	4950	4220	4880	4720		5230	4160 J+	6070	4820	4420
Chromium	EPA 6010B	0.5		9.1 J		7.9 J	10.6 J	25.3	20.1	16.5	11.4	13		17	13.1	11.2	13.2	27.5	12.7	86		16.1	13.6	17.5	13.4	12.6
Cobalt	EPA 6010B	0.3		3.1 J		3.2 J	9.1 J	6	6.8	5.3	4.4	4.9		8.2	4.6	3.9	3.8	7.2	6	10.4		5	4.6	7.4	4.6	4.6
Copper	EPA 6010B	0.2		7.1 J		5.8 J	7.5 J	12	14.5	21.2	10.4	9.4		25.4	13.4	8.7	11.4	10.6	13.2	16.3		13.8	13.2	19.4	11.9	11.4
Iron	EPA 6010B	5		7660 J		6610 J	9150 J	14800	16900	10600	12400	13500		14400	12900	10800	10700	15100	13400	10800		15100	13000	13400	14500	13700
Lead	EPA 6010B	2		12 J		4 J	3 J	5	3	7	3	2 U		3 U	13	2 U	3 U	2 U	6	3 U		4	2	3 U	4	3
Magnesium	EPA 6010B	5		1520 J+		1200 J	2070 J	5220	4070	2190	2340	2490		3280	2680	2120	2450	5250	2560	2550		2900	2370 J+	3210	2720 J	2790
Manganese	EPA 6010B	0.1		77.7 J+		60 J	89.8 J	208	214	87.5	122	142		117	129	100	89.7	264	146	86.8		140	129 J+	109	137	132
Mercury	EPA 7471A	0.02		0.02 U		0.02 U	0.02 U	0.02	0.02 U	0.08	0.02	0.02 U		0.05	0.02	0.02 U	0.02 U	0.02 U	0.03	0.04		0.03	0.03	0.16	0.02 U	0.02 U
Molybdenum	EPA 6010B	0.5		0.5 U		0.5 U	0.6	0.5 U	0.5 U	1.2	0.5 U	0.5 U		1	0.5 U	0.5 U	0.7 U	0.5 U	0.5 U	0.6 U		0.5 U	0.6 U	0.6 U	0.5 U	0.5 U
Nickel	EPA 6010B	1		6 J		10 J	8 J	32	21	10	8	8		15	10	7	8	38	10	15		10	10	13	10	10
Selenium	EPA 6010B	5		5 U		5 U	6 U	5 U	5 U	6 U	5 U	5 U		7 U	5 U	5 U	7 U	5 U	5 U	6 U		5 U	6 U	6 U	5 U	5 U
Silver	EPA 6010B	0.3		0.3 U		0.3 U	0.7	0.3 U	0.3 U	3.6	0.3 U	0.3 U		0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U		0.3 U	0.3 U	0.4 U	0.3 U	0.3 U
Thallium	EPA 200.8	0.2		0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.3 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.3 U		0.2 U	0.2 UJ	0.3 U	0.2 U	0.2 U
Tin	EPA 6010B	1		1 UJ		1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U		1	1 U	1 U	1 UJ	1 U
Vanadium	EPA 6010B	0.3		25.1 J		32.2 J	33.8 J	38.2	46.8	38.4	40	42.2		59.4	39.6	33.4	33	36.9	41.4	48.7		48.2	41.3	48.3	44.2	42.9
Zinc	EPA 6010B	1		23 J		24 J	23 J	103	147	43	27	27		33	31	22	25	26	35	32		32	27	30	30	27
Cyanide	EPA 335.2	0.05						0.051 U	0.052 U	0.059 U	0.051 U	0.051 U		0.065 U	0.104 U	0.101 U	0.129 U	0.052 U	0.052 U	0.064 U		0.052 U	0.05 U	0.064 U	0.051 U	0.051 U
Total Solids (%)	EPA 160.3	0.01						89.1	92.3	78.1	95	97.6		69.9	92.4	96.6	74.9	91.5	91.7	73.4		91.9	95.2	72.9	97.4	94.5
Petroleum Hydrocarbons (mg/kg)																										
TPH - Gasoline Range	NWTPH-Gx	3.7		5.1 U		6.1 U	6.9 U	5.1 U	3.7 U	6.6 U																
TPH - Diesel Range	NWTPH-Dx-Cleaned	5		5 U		5.4 U	5.4 U	5.2 U	21 J	10 J																
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10		10 U		11 U	11 U	10 U	200	14																

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-07	2-31-DP-07	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-10	2-31-DP-10	2-31-DP-10	2-31-DP-11	2-31-DP-11	2-31-DP-11	2-31-DP-11	2-31-DP-12	2-31-DP-12
			Depth:	9 - 10	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-07-09-S-0	2-31-DP-07-09-S-0 Reanalysis	2-31-DP-08-01-S-0	2-31-DP-08-01-S-4	2-31-DP-08-04-S-0	2-31-DP-08-09-S-0	2-31-DP-08-09-S-0 Reanalysis	2-31-DP-09-01-S-0	2-31-DP-09-04-S-0	2-31-DP-09-09-S-0	2-31-DP-09-09-S-0 Reanalysis	2-31-DP-09-09-S-4	2-31-DP-10-01-S-0	2-31-DP-10-04-S-0	2-31-DP-10-09-S-0	2-31-DP-11-01-S-0	2-31-DP-11-04-S-0	2-31-DP-11-04-S-4	2-31-DP-11-09-S-0	2-31-DP-12-01-S-0	2-31-DP-12-04-S-0
			Date:	9/3/2009	9/3/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	Reanalysis 9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/11/2009	9/11/2009	9/11/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/11/2009	9/11/2009
VOCs (µg/kg)																								
Chloromethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Bromomethane	EPA 8260C	1		1 U	73 UJ	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 UJ	1 UJ	0.9 UJ	0.9 UJ	0.9 U	1 U
Vinyl Chloride	EPA 8260C	1		77	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.7	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Chloroethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Methylene Chloride	EPA 8260C	2		2.9 U	190 U	3.1 U	3.1 U	2.8 U	12 U	5.6 U	2.8 U	3 U	3.8 U	3.9 U	4.2 U	1.9 U	2.8 U	2.4 U	1.8 U	2.6 U	3 U	2.6 U	3 U	2.7 U
Acetone	EPA 8260C	5		31 U	360 U	35	27	26	280	110 Q	34	32 Q	59 Q	50	50 Q	34 U	26 U	53 U	44 Q	43 Q	41 Q	24 Q	55	34 U
Carbon Disulfide	EPA 8260C	1		2	73 U	0.9 U	1 U	1 U	11	7.1	0.9 U	1 U	3.6	2.4	1.6	1 U	0.9 U	1.2	2.4	1 U	0.9 U	1.7	0.9 U	1 U
1,1-Dichloroethene	EPA 8260C	1		1.8	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,1-Dichloroethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
trans-1,2-Dichloroethene	EPA 8260C	1		1.7	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
cis-1,2-Dichloroethene	EPA 8260C	1		67	140	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.2	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Chloroform	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	1.2	1 U	1.1 U	1.1 U	1.2 U	1 U	1.2	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,2-Dichloroethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
2-Butanone	EPA 8260C	5		5.2 U	360 U	4.5 UR	4.8 UR	4.9 UR	45 J	14 J	4.7 UR	5 UR	5.5 UR	5.5 UR	6.2 UR	4.8 U	4.6 U	8.5 U	4.8 U	5 U	4.7 U	4.5 U	5.3 U	4.8 U
1,1,1-Trichloroethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Carbon Tetrachloride	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Vinyl Acetate	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 U	6.3 U	4.7 U	5 UR	5.5 U	5.5 U	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
Bromodichloromethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,2-Dichloropropane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
cis-1,3-Dichloropropene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Trichloroethene	EPA 8260C	1		360 E	2100	0.9 U	1 U	1 U	2.1 U	1.3 U	13	16	1.1 U	1.1 U	1.2 U	14	38	1.1 U	1	3.3	2.4	2.2	1	1.9
Dibromochloromethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 UJ	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,1,2-Trichloroethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Benzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.5	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	2.1	2.9	1 U	0.9 U	0.9 U	0.9 U	1 U
trans-1,3-Dichloropropene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
2-Chloroethylvinylether	EPA 8260C	5		5.2 UR	360 UR	4.5 U	4.8 U	4.9 U	11 U	6.3 UR	4.7 U	5 UR	5.5 UR	5.5 UR	6.2 UR	4.8 UR	4.6 UR	5.5 UR	4.6 UR	5 UR	4.7 UR	4.5 UR	4.5 UR	4.8 UR
Bromoform	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Methyl isobutyl ketone	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 U	6.3 U	4.7 U	5 U	5.5 U	5.5 U	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
2-Hexanone	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 U	6.3 UJ	4.7 U	5 U	5.5 U	5.5 U	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
Tetrachloroethene	EPA 8260C	1		5.9	73 U	0.9 U	1 U	1 U	2.1 U	1.3 UJ	0.9 U	1.1	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,1,2,2-Tetrachloroethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Toluene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	1.5	1 U	0.9 U	0.9 U	0.9 U	1 U
Chlorobenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 UJ	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Ethylbenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 UJ	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Styrene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 UJ	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Trichlorofluoromethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2		2.1 U	140 U	1.8 U	1.9 U	2 U	4.2 U	2.5 U	1.9 U	2 U	2.2 U	2.2 U	2.5 U	1.9 U	1.9 U	2.2 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U	1.9 U
m,p-Xylene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	9.3	4.7 J	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
o-Xylene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	10	5.7 J	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,2-Dichlorobenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 UJ	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,3-Dichlorobenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,4-Dichlorobenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 UJ	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Acrolein	EPA 8260C	50		52 U	3600 U	45 U	48 U	49 U	110 U	63 U	47 U	50 U	55 U	55 U	62 U	48 U	46 U	55 U	46 U	50 U	47 U	45 U	45 U	48 U
Methyl Iodide	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Bromoethane	EPA 8260C	2		2.1 U	140 U	1.8 U	1.9 U	2 U	4.2 U	2.5 U	1.9 U	2 U	2.2 U	2.2 U	2.5 U	1.9 U	1.9 U	2.2 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U	1.9 U
Acrylonitrile	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 U	6.3 U	4.7 U	5 U	5.5 U	5.5 U	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
1,1-Dichloropropene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Dibromomethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,1,1,2-Tetrachloroethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 UJ	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,2-Dibromo-3-chloropropane	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 UJ	6.3 UJ	4.7 U	5 U	5.5 UJ	5.5 UJ	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
1,2,3-Trichloropropane	EPA 8260C	2		2.1 U	140 U	1.8 U	1.9 U	2 U	4.2 UJ	2.5 UJ	1.9 U	2 U	2.2 UJ	2.2 UJ	2.5 U	1.9 U	1.9 U	2.2 U	1.8 U	2 U	1.9 U	1.8 U	1.8 U	1.9 U
trans-1,4-Dichloro-2-butene	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 UJ	6.3 UJ	4.7 U	5 U	5.5 UJ	5.5 UJ	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
1,3,5-Trimethylbenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	4.2 J	1.9 J	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,2,4-Trimethylbenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	7.1 J	3.3 J	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Hexachlorobutadiene	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 UJ	6.3 UJ	4.7 U	5 U	5.5 UJ	5.5 UJ	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
Ethylene Dibromide	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Bromochloromethane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
2,2-Dichloropropane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 U	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,3-Dichloropropane	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 U	1.3 UJ	0.9 U	1 U	1.1 U	1.1 U	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Isopropylbenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
n-Propylbenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
Bromobenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
2-Chlorotoluene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
4-Chlorotoluene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
tert-Butylbenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
sec-Butylbenzene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
4-Isopropyltoluene	EPA 8260C	1		1 U	73 U	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
n-Butylbenzene	EPA 8260C	1		1 U	73 UJ	0.9 U	1 U	1 U	2.1 UJ	1.3 UJ	0.9 U	1 U	1.1 UJ	1.1 UJ	1.2 U	1 U	0.9 U	1.1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U	1 U
1,2,4-Trichlorobenzene	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 UJ	6.3 UJ	4.7 U	5 UJ	5.5 UJ	5.5 UJ	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
Naphthalene	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 UJ	6.3 UJ	4.7 U	5 U	5.5 UJ	5.5 UJ	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U
1,2,3-Trichlorobenzene	EPA 8260C	5		5.2 U	360 U	4.5 U	4.8 U	4.9 U	11 UJ	6.3 UJ	4.7 U	5 UJ	5.5 UJ	5.5 UJ	6.2 U	4.8 U	4.6 U	5.5 U	4.6 U	5 U	4.7 U	4.5 U	4.5 U	4.8 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-07	2-31-DP-07	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-10	2-31-DP-10	2-31-DP-10	2-31-DP-11	2-31-DP-11	2-31-DP-11	2-31-DP-11	2-31-DP-12	2-31-DP-12
			Depth:	9 - 10	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-07-09-S-0	2-31-DP-07-09-S-0 Reanalysis	2-31-DP-08-01-S-0	2-31-DP-08-01-S-4	2-31-DP-08-04-S-0	2-31-DP-08-09-S-0	2-31-DP-08-09-S-0 Reanalysis	2-31-DP-09-01-S-0	2-31-DP-09-04-S-0	2-31-DP-09-09-S-0	2-31-DP-09-09-S-0 Reanalysis	2-31-DP-09-09-S-4	2-31-DP-10-01-S-0	2-31-DP-10-04-S-0	2-31-DP-10-09-S-0	2-31-DP-11-01-S-0	2-31-DP-11-04-S-0	2-31-DP-11-04-S-4	2-31-DP-11-09-S-0	2-31-DP-12-01-S-0	2-31-DP-12-04-S-0
			Date:	9/3/2009	9/3/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/11/2009	9/11/2009	9/11/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/11/2009	9/11/2009
SVOCs (µg/kg)																								
Phenol	EPA 8270D	67																						
bis(2-Chloroethyl)ether	EPA 8270D	67																						
2-Chlorophenol	EPA 8270D	67																						
1,3-Dichlorobenzene	EPA 8270D	67																						
1,4-Dichlorobenzene	EPA 8270D	67																						
Benzyl Alcohol	EPA 8270D	330																						
1,2-Dichlorobenzene	EPA 8270D	67																						
2-Methylphenol	EPA 8270D	67																						
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67																						
4-Methylphenol	EPA 8270D	67																						
N-Nitroso-Di-N-Propylamine	EPA 8270D	330																						
Hexachloroethane	EPA 8270D	67																						
Nitrobenzene	EPA 8270D	67																						
Isophorone	EPA 8270D	67																						
2-Nitrophenol	EPA 8270D	67																						
2,4-Dimethylphenol	EPA 8270D	67																						
Benzoic Acid	EPA 8270D	670																						
bis(2-Chloroethoxy)methane	EPA 8270D	67																						
2,4-Dichlorophenol	EPA 8270D	330																						
1,2,4-Trichlorobenzene	EPA 8270D	67																						
Naphthalene	EPA 8270D	67																						
4-Chloroaniline	EPA 8270D	330																						
Hexachlorobutadiene	EPA 8270D	67																						
4-Chloro-3-methylphenol	EPA 8270D	330																						
2-Methylnaphthalene	EPA 8270D	67																						
Hexachlorocyclopentadiene	EPA 8270D	330																						
2,4,6-Trichlorophenol	EPA 8270D	330																						
2,4,5-Trichlorophenol	EPA 8270D	330																						
2-Chloronaphthalene	EPA 8270D	67																						
2-Nitroaniline	EPA 8270D	330																						
Dimethylphthalate	EPA 8270D	67																						
Acenaphthylene	EPA 8270D	67																						
3-Nitroaniline	EPA 8270D	330																						
Acenaphthene	EPA 8270D	67																						
2,4-Dinitrophenol	EPA 8270D	670																						
4-Nitrophenol	EPA 8270D	330																						
Dibenzofuran	EPA 8270D	67																						
2,6-Dinitrotoluene	EPA 8270D	330																						
2,4-Dinitrotoluene	EPA 8270D	330																						
Diethylphthalate	EPA 8270D	67																						
4-Chlorophenyl-phenylether	EPA 8270D	67																						
Fluorene	EPA 8270D	67																						
4-Nitroaniline	EPA 8270D	330																						
4,6-Dinitro-2-Methylphenol	EPA 8270D	670																						
N-Nitrosodiphenylamine	EPA 8270D	67																						
4-Bromophenyl-phenylether	EPA 8270D	67																						
Hexachlorobenzene	EPA 8270D	67																						
Pentachlorophenol	EPA 8270D	330																						
Phenanthrene	EPA 8270D	67																						
Carbazole	EPA 8270D	67																						
Anthracene	EPA 8270D	67																						
Di-n-Butylphthalate	EPA 8270D	67																						
Fluoranthene	EPA 8270D	67																						
Pyrene	EPA 8270D	67																						
Butylbenzylphthalate	EPA 8270D	67																						
3,3'-Dichlorobenzidine	EPA 8270D	330																						
Benzo(a)anthracene	EPA 8270D	67																						
bis(2-Ethylhexyl)phthalate	EPA 8270D	67																						
Chrysene	EPA 8270D	67																						
Di-n-octylphthalate	EPA 8270D	67																						
Benzo(b)fluoranthene	EPA 8270D	67																						
Benzo(k)fluoranthene	EPA 8270D	67																						
Benzo(a)pyrene	EPA 8270D	67																						
Indeno(1,2,3-cd)pyrene	EPA 8270D	67																						
Dibenz(a,h)anthracene	EPA 8270D	67																						
Benzo(g,h,i)perylene	EPA 8270D	67																						
1-Methylnaphthalene	EPA 8270D	67																						
Naphthalene	EPA 8270DSIM	5																						
2-Methylnaphthalene	EPA 8270DSIM	5																						
1-Methylnaphthalene	EPA 8270DSIM	5																						
Acenaphthylene	EPA 8270DSIM	5																						
Acenaphthene	EPA 8270DSIM	5																						
Fluorene	EPA 8270DSIM	5																						
Phenanthrene	EPA 8270DSIM	5																						
Anthracene	EPA 8270DSIM	5																						
Fluoranthene	EPA 8270DSIM	5																						
Pyrene	EPA 8270DSIM	5																						
Benzo(a)anthracene	EPA 8270DSIM	5																						
Chrysene	EPA 8270DSIM	5																						
Benzo(b)fluoranthene	EPA 8270DSIM	5																						
Benzo(k)fluoranthene	EPA 8270DSIM	5																						
Benzo(a)pyrene	EPA 8270DSIM	5																						
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5																						
Dibenz(a,h)anthracene	EPA 8270DSIM	5																						
Benzo(g,h,i)perylene	EPA 8270DSIM	5																						
Dibenzofuran	EPA 8270DSIM	5																						

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-07	2-31-DP-07	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-08	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-09	2-31-DP-10	2-31-DP-10	2-31-DP-10	2-31-DP-11	2-31-DP-11	2-31-DP-11	2-31-DP-11	2-31-DP-12	2-31-DP-12
			Depth:	9 - 10	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-07-09-S-0	2-31-DP-07-09-S-0 Reanalysis	2-31-DP-08-01-S-0	2-31-DP-08-01-S-4	2-31-DP-08-04-S-0	2-31-DP-08-09-S-0	2-31-DP-08-09-S-0 Reanalysis	2-31-DP-09-01-S-0	2-31-DP-09-04-S-0	2-31-DP-09-09-S-0	2-31-DP-09-09-S-0 Reanalysis	2-31-DP-09-09-S-4	2-31-DP-10-01-S-0	2-31-DP-10-04-S-0	2-31-DP-10-09-S-0	2-31-DP-11-01-S-0	2-31-DP-11-04-S-0	2-31-DP-11-04-S-4	2-31-DP-11-09-S-0	2-31-DP-12-01-S-0	2-31-DP-12-04-S-0
			Date:	9/3/2009	9/3/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/11/2009	9/11/2009	9/11/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/11/2009	9/11/2009
PCBs (µg/kg)																								
Aroclor 1016	EPA 8082	33				6.5 U		31 U	31 U															
Aroclor 1242	EPA 8082	33				6.5 U		31 U	31 U															
Aroclor 1248	EPA 8082	33				6.5 U		31 U	31 U															
Aroclor 1254	EPA 8082	33				6.5 U		31 U	31 U															
Aroclor 1260	EPA 8082	33				11		88	190															
Aroclor 1221	EPA 8082	33				6.5 U		31 U	31 U															
Aroclor 1232	EPA 8082	33				6.5 U		31 U	31 U															
Aroclor 1262	EPA 8082	33				6.5 U		31 U	31 U															
Aroclor 1268	EPA 8082	33				6.5 U		31 U	31 U															
Total PCB	EPA 8082	33				11		88	190															
Inorganics (mg/kg)																								
Aluminum	EPA 6010B	5		16200		9420		8590	10800		10900	8640	12700			10200	7960	12000	6080	8370		7350	10300	10400
Antimony	EPA 6010B	5		7 UJ		5 UJ		5 UJ	6 UJ		5 UJ	5 UJ	6 UJ			5 UJ	5 UJ	6 UJ	5 UJ	5 UJ		6 UJ	5 UJ	5 UJ
Arsenic	EPA 6010B	5		7 U		5 U		5 U	6 U		5 U	5 U	6 U			5 U	5 U	6 U	5 U	5 U		6 U	5 U	5 U
Barium	EPA 6010B	0.3		44.5		28.4		29.8	44.7		51.1	29.9	36.5			36.7	27.8	41.1	18.9	24		23.4	48.6	32.6
Beryllium	EPA 6010B	0.1		0.2		0.1 U		0.1 U	0.2		0.1	0.1 U	0.1			0.1	0.1 U	0.2	0.1 U	0.1		0.1 U	0.1	0.1
Cadmium	EPA 6010B	0.2		0.3 U		0.2		3.9	104		1.7	0.2 U	0.2 U			0.2 U	0.2 U	0.3 U	0.2 U	0.2 U		0.2 U	2.7	0.2 U
Calcium	EPA 6010B	5		6110		4830		4120	5990		6750	7480	5590			4500	3600	4190	2990	3940		3670	5140	4810
Chromium	EPA 6010B	0.5		2090		13		15.8	20.3		39.6	13.3	18.2			12.7	9.4	12.4	8.7	10.3		20.5	38.5	12.4
Cobalt	EPA 6010B	0.3		5.1		4.2		4.2	5.9		7.6	4.1	8.3			5.1	3.6	3.6	2.8	3.9		2.7	5.5	4.4
Copper	EPA 6010B	0.2		17.4		13.4		12.8	22.4		18	12.3	17.7			13.7	9.8	13.4	6.9	9.7		6.9	20.4	12.3
Iron	EPA 6010B	5		11700		13000		12100	16600		17300	11700	12100			13800	9980	11000	8120	10900		8470	13800	13200
Lead	EPA 6010B	2		3		9		13	12		16	10	2 U			4	4	5	2	4		2 U	92	5
Magnesium	EPA 6010B	5		2920		2480		2480	3010		3270	2620	2770			2980	2260	2730	1420	1950		1570	2780	2670
Manganese	EPA 6010B	0.1		95.9		133		123	135		176	122	105			150	111	103	75.1	107		70.2	151	129
Mercury	EPA 7471A	0.02		0.03 U		0.02 U		0.02 U	0.03 U		0.03	0.02 U	0.02 U			0.02	0.02 U	0.03	0.02	0.02		0.02 U	0.07	0.02 U
Molybdenum	EPA 6010B	0.5		0.7 U		0.5 U		0.5 U	0.6 U		0.5 U	0.5 U	0.6 U			0.5 U	0.5 U	0.6 U	0.6	0.5 U		0.6 U	1.7	0.5 U
Nickel	EPA 6010B	1		10		10		10	19		13	10	16			10	9	9	5	8		5	14	10
Selenium	EPA 6010B	5		7 U		5 U		5 U	6 U		5 U	5 U	6 U			5 U	5 U	6 U	5 U	5 U		6 U	5 U	5 U
Silver	EPA 6010B	0.3		0.4 U		0.3 U		0.3 U	0.4 U		0.4	0.3 U	0.4 U			0.3 U	0.3 U	0.4 U	0.3 U	0.3 U		0.3 U	0.3 U	0.3 U
Thallium	EPA 200.8	0.2		0.3 U		2.9		0.2 U	0.3 U		0.2 U	0.2 U	0.2 U			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	1		1 U		1 U		1 U	56		8	1 U	1 U			1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U
Vanadium	EPA 6010B	0.3		48.1		42.5		40.7	50.9		44.6	39.9	43.9			41.5	31.2	37.2	26.8	35.4		33.9	44.2	43.5
Zinc	EPA 6010B	1		29		35		39	49		67	32	31			29	28	36	17	26		16	230	29
Cyanide	EPA 335.2	0.05		0.067 U																			0.072	0.066
Total Solids (%)	EPA 160.3	0.01		74																			94.6	86.2
Petroleum Hydrocarbons (mg/kg)																								
TPH - Gasoline Range	NWTPH-Gx	3.7																						
TPH - Diesel Range	NWTPH-Dx-Cleaned	5																						
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10																						

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location: Depth: Sample ID: Date:	2-31-DP-12 9 - 10 2-31-DP-12-09-S-0 9/11/2009	2-31-DP-12 9 - 10 2-31-DP-12-09-S-0 Reanalysis 9/11/2009	2-31-DP-13 0 - 1 2-31-DP-13-01-S-0 9/21/2009	2-31-DP-13 0 - 1 2-31-DP-13-01-S-4 9/21/2009	2-31-DP-13 4 - 5 2-31-DP-13-04-S-0 9/21/2009	2-31-DP-13 9 - 10 2-31-DP-13-09-S-0 9/21/2009	2-31-DP-13 9 - 10 2-31-DP-13-09-S-0 Reanalysis 9/21/2009	2-31-DP-14 0 - 1 2-31-DP-14-01-S-0 9/21/2009	2-31-DP-14 4 - 5 2-31-DP-14-04-S-0 9/21/2009	2-31-DP-14 9 - 10 2-31-DP-14-09-S-0 9/21/2009	2-31-DP-15 9 - 10 2-31-DP-15-09-S-0 9/15/2009	2-31-DP-16 0 - 1 2-31-DP-16-01-S-0 9/10/2009	2-31-DP-16 4 - 5 2-31-DP-16-04-S-0 9/10/2009	2-31-DP-16 9 - 10 2-31-DP-16-09-S-0 9/10/2009	2-31-DP-17 0 - 1 2-31-DP-17-01-S-0 9/10/2009	2-31-DP-17 4 - 5 2-31-DP-17-04-S-0 9/10/2009	2-31-DP-17 9 - 10 2-31-DP-17-09-S-0 9/10/2009	2-31-DP-18 0 - 1 2-31-DP-18-01-S-0 9/10/2009	2-31-DP-18 4 - 5 2-31-DP-18-04-S-0 9/10/2009	2-31-DP-18 4 - 5 2-31-DP-18-04-S-0 Reanalysis 9/10/2009	2-31-DP-18 4 - 5 2-31-DP-18-04-S-4 9/10/2009
VOCs (µg/kg)																								
Chloromethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Bromomethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Vinyl Chloride	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 UJ	0.9 UJ	1 UJ	0.9 UJ	1 U	1.2 U	0.8 UJ	0.8 UJ	0.9 U	0.9 UJ
Chloroethane	EPA 8260C	1		1.1 U	1.1 U	1 UJ	1.2 UJ	1 UJ	1.3 UJ	1.3 U	1 UJ	1 UJ	1.4 UJ	1.2 UJ	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Methylene Chloride	EPA 8260C	2		2.6 U	3.2 U	3 U	4 U	3 U	4.7 U	3.2 U	2.3 U	3.8 U	5.4 U	4.3 U	1.7 U	2.8 U	3.9 U	2.2 U	7.8 U	11 U	1.7 U	1.6 U	1.9 U	2.8 U
Acetone	EPA 8260C	5		42 U	50 U	24	17	28	96	53	14	20	74	18	140	40	23 U	58	120	50	35 J	36 J	46	54
Carbon Disulfide	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	4.4	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	3.1	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,1-Dichloroethene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,1-Dichloroethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
trans-1,2-Dichloroethene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
cis-1,2-Dichloroethene	EPA 8260C	1		1.5 J	2.6	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Chloroform	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,2-Dichloroethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
2-Butanone	EPA 8260C	5		5.6 U	5.6 UR	5.3 UR	5.7 UR	5.1 UR	11 J	6.3 U	5.1 UR	4.9 UR	7 UR	6.2 UR	12 U	4.6 U	4.8 U	4.7 U	8.3	5.9 U	3.9 UJ	4 U	4.7 UR	4.7 U
1,1,1-Trichloroethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Carbon Tetrachloride	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Vinyl Acetate	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 U	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
Bromodichloromethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,2-Dichloropropane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
cis-1,3-Dichloropropene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Trichloroethene	EPA 8260C	1		16 J	5.5	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Dibromochloromethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,1,2-Trichloroethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Benzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	1.9	0.9 U
trans-1,3-Dichloropropene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
2-Chloroethylvinylether	EPA 8260C	5		5.6 UR	5.6 U	5.3 UR	5.7 UR	5.1 UR	6.3 UR	6.3 UR	5.1 UR	4.9 UR	7 UR	6.2 UR	4.1 UR	4.6 UR	4.8 UR	4.3 UR	5 UR	5.9 UR	3.9 UR	4 UR	4.7 U	4.7 UR
Bromoform	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Methyl isobutyl ketone	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 U	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
2-Hexanone	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 U	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
Tetrachloroethene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1.3	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,1,2,2-Tetrachloroethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Toluene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	1.1	0.9 U
Chlorobenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Ethylbenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Styrene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Trichlorofluoromethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2		2.3 U	2.2 U	2.1 U	2.3 U	2 U	2.5 U	2.5 U	2 U	2 U	2.8 U	2.5 U	1.7 U	1.8 U	1.9 U	1.7 U	2 U	2.4 U	1.6 UJ	1.6 U	1.9 U	1.9 U
m,p-Xylene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
o-Xylene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,2-Dichlorobenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,3-Dichlorobenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,4-Dichlorobenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Acrolein	EPA 8260C	50		56 U	56 U	53 U	57 U	51 U	63 U	63 U	51 U	49 U	70 U	62 U	41 U	46 U	48 U	43 U	50 U	59 U	39 UJ	40 U	47 U	47 U
Methyl Iodide	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 UJ	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Bromoethane	EPA 8260C	2		2.3 U	2.2 U	2.1 U	2.3 U	2 U	2.5 U	2.5 U	2 U	2 U	2.8 U	2.5 U	1.7 U	1.8 U	1.9 U	1.7 U	2 U	2.4 U	1.6 UJ	1.6 U	1.9 U	1.9 U
Acrylonitrile	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 U	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
1,1-Dichloropropene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Dibromomethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,1,1,2-Tetrachloroethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,2-Dibromo-3-chloropropane	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 UJ	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
1,2,3-Trichloropropane	EPA 8260C	2		2.3 U	2.2 U	2.1 U	2.3 U	2 U	2.5 UJ	2.5 U	2 U	2 U	2.8 U	2.5 U	1.7 U	1.8 U	1.9 U	1.7 U	2 U	2.4 U	1.6 UJ	1.6 U	1.9 U	1.9 U
trans-1,4-Dichloro-2-butene	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 UJ	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
1,3,5-Trimethylbenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,2,4-Trimethylbenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Hexachlorobutadiene	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 UJ	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
Ethylene Dibromide	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Bromochloromethane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
2,2-Dichloropropane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,3-Dichloropropane	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 U	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Isopropylbenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
n-Propylbenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
Bromobenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
2-Chlorotoluene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
4-Chlorotoluene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
tert-Butylbenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
sec-Butylbenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
4-Isopropyltoluene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
n-Butylbenzene	EPA 8260C	1		1.1 U	1.1 U	1 U	1.2 U	1 U	1.3 UJ	1.3 U	1 U	1 U	1.4 U	1.2 U	0.8 U	0.9 U	1 U	0.9 U	1 U	1.2 U	0.8 UJ	0.8 U	0.9 U	0.9 U
1,2,4-Trichlorobenzene	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 UJ	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
Naphthalene	EPA 8260C	5		5.6 U	5.6 U	5.3 UJ	5.7 UJ	5.1 UJ	6.3 UJ	6.3 U	5.1 UJ	4.9 UJ	7 UJ	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U
1,2,3-Trichlorobenzene	EPA 8260C	5		5.6 U	5.6 U	5.3 U	5.7 U	5.1 U	6.3 UJ	6.3 U	5.1 U	4.9 U	7 U	6.2 U	4.1 U	4.6 U	4.8 U	4.3 U	5 U	5.9 U	3.9 UJ	4 U	4.7 U	4.7 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:																					
			Depth:	9 - 10	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	4 - 5	4 - 5
			Sample ID:	2-31-DP-12-09-S-0	2-31-DP-12-09-S-0 Reanalysis	2-31-DP-13-01-S-0	2-31-DP-13-01-S-4	2-31-DP-13-04-S-0	2-31-DP-13-09-S-0	2-31-DP-13-09-S-0 Reanalysis	2-31-DP-14-01-S-0	2-31-DP-14-04-S-0	2-31-DP-14-09-S-0	2-31-DP-15-09-S-0	2-31-DP-16-01-S-0	2-31-DP-16-04-S-0	2-31-DP-16-09-S-0	2-31-DP-17-01-S-0	2-31-DP-17-04-S-0	2-31-DP-17-09-S-0	2-31-DP-18-01-S-0	2-31-DP-18-04-S-0	2-31-DP-18-04-S-0 Reanalysis	2-31-DP-18-04-S-4
			Date:	9/11/2009	9/11/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/15/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009
SVOCs (µg/kg)																								
Phenol	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
bis(2-Chloroethyl)ether	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2-Chlorophenol	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
1,3-Dichlorobenzene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
1,4-Dichlorobenzene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Benzyl Alcohol	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
1,2-Dichlorobenzene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2-Methylphenol	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
4-Methylphenol	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
N-Nitroso-Di-N-Propylamine	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
Hexachloroethane	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Nitrobenzene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Isophorone	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2-Nitrophenol	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2,4-Dimethylphenol	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Benzoic Acid	EPA 8270D	670				590 U		590 U	620 U		650 U	580 U	580 U					640 U	620 U	630 U				
bis(2-Chloroethoxy)methane	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2,4-Dichlorophenol	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
1,2,4-Trichlorobenzene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Naphthalene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
4-Chloroaniline	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
Hexachlorobutadiene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
4-Chloro-3-methylphenol	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
2-Methylnaphthalene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Hexachlorocyclopentadiene	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 UR	310 UR	320 UR				
2,4,6-Trichlorophenol	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
2,4,5-Trichlorophenol	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
2-Chloronaphthalene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2-Nitroaniline	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
Dimethylphthalate	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Acenaphthylene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
3-Nitroaniline	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
Acenaphthene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2,4-Dinitrophenol	EPA 8270D	670				590 U		590 U	620 U		650 U	580 U	580 U					640 UR	620 UR	630 UR				
4-Nitrophenol	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
Dibenzofuran	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
2,6-Dinitrotoluene	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
2,4-Dinitrotoluene	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
Diethylphthalate	EPA 8270D	67				59 U		68 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
4-Chlorophenyl-phenylether	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Fluorene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
4-Nitroaniline	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
4,6-Dinitro-2-Methylphenol	EPA 8270D	670				590 U		590 U	620 U		650 U	580 U	580 U					640 UR	620 UR	630 UR				
N-Nitrosodiphenylamine	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
4-Bromophenyl-phenylether	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Hexachlorobenzene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Pentachlorophenol	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 UR	310 UR	320 UR				
Phenanthrene	EPA 8270D	67				59 U		59 U	130		65 U	58 U	58 U					64 U	62 U	63 U				
Carbazole	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Anthracene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Di-n-Butylphthalate	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Fluoranthene	EPA 8270D	67				59 U		59 U	88		65 U	58 U	58 U					64 U	62 U	63 U				
Pyrene	EPA 8270D	67				59 U		59 U	130		65 U	58 U	58 U					64 U	62 U	63 U				
Butylbenzylphthalate	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
3,3'-Dichlorobenzidine	EPA 8270D	330				300 U		290 U	310 U		320 U	290 U	290 U					320 U	310 U	320 U				
Benzo(a)anthracene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
bis(2-Ethylhexyl)phthalate	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Chrysene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Di-n-octylphthalate	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Benzo(b)fluoranthene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Benzo(k)fluoranthene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Benzo(a)pyrene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Indeno(1,2,3-cd)pyrene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Dibenz(a,h)anthracene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Benzo(g,h,i)perylene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
1-Methylnaphthalene	EPA 8270D	67				59 U		59 U	62 U		65 U	58 U	58 U					64 U	62 U	63 U				
Naphthalene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				
2-Methylnaphthalene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				
1-Methylnaphthalene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				
Acenaphthylene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				
Acenaphthene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				
Fluorene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				
Phenanthrene	EPA 8270DSIM	5				4.7 U		4.8 U	12		4.6 U	4.8 U	4.8 U					8.1	4.7 U	4.8 U				
Anthracene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				
Fluoranthene	EPA 8270DSIM	5				4.7 U		4.8 U	11		4.6 U	4.8 U	4.8 U					19	9.4	4.8 U				
Pyrene	EPA 8270DSIM	5				4.7 U		4.8 U	10		4.6 U	4.8 U	4.8 U					23	11	4.8 U				
Benzo(a)anthracene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					11	5.1	4.8 U				
Chrysene	EPA 8270DSIM	5				4.7 U		4.8 U	5.2		4.6 U	4.8 U	4.8 U					15	7.5	4.8 U				
Benzo(b)fluoranthene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					11	6.5	4.8 U				
Benzo(k)fluoranthene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					13	5.6	4.8 U				
Benzo(a)pyrene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					14	7.9	4.8 U				
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					10	6.1	4.8 U				
Dibenz(a,h)anthracene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				
Benzo(g,h,i)perylene	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					14	11	4.8 U				
Dibenzofuran	EPA 8270DSIM	5				4.7 U		4.8 U	4.8 U		4.6 U	4.8 U	4.8 U					4.8 U	4.7 U	4.8 U				

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-12	2-31-DP-12	2-31-DP-13	2-31-DP-13	2-31-DP-13	2-31-DP-13	2-31-DP-13	2-31-DP-14	2-31-DP-14	2-31-DP-14	2-31-DP-15	2-31-DP-16	2-31-DP-16	2-31-DP-16	2-31-DP-17	2-31-DP-17	2-31-DP-17	2-31-DP-18	2-31-DP-18	2-31-DP-18	2-31-DP-18
			Depth:	9 - 10	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	4 - 5	4 - 5
			Sample ID:	2-31-DP-12-09-S-0	2-31-DP-12-09-S-0 Reanalysis	2-31-DP-13-01-S-0	2-31-DP-13-01-S-4	2-31-DP-13-04-S-0	2-31-DP-13-09-S-0	2-31-DP-13-09-S-0 Reanalysis	2-31-DP-14-01-S-0	2-31-DP-14-04-S-0	2-31-DP-14-09-S-0	2-31-DP-15-09-S-0	2-31-DP-16-01-S-0	2-31-DP-16-04-S-0	2-31-DP-16-09-S-0	2-31-DP-17-01-S-0	2-31-DP-17-04-S-0	2-31-DP-17-09-S-0	2-31-DP-18-01-S-0	2-31-DP-18-04-S-0	2-31-DP-18-04-S-0 Reanalysis	2-31-DP-18-04-S-4
			Date:	9/11/2009	9/11/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/15/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009	9/10/2009
PCBs (µg/kg)																								
Aroclor 1016	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Aroclor 1242	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Aroclor 1248	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Aroclor 1254	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Aroclor 1260	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Aroclor 1221	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Aroclor 1232	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Aroclor 1262	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Aroclor 1268	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Total PCB	EPA 8082	33				32 U		32 U	33 U		33 U	32 U	31 U	32 U				32 U	31 U	31 U				
Inorganics (mg/kg)																								
Aluminum	EPA 6010B	5		18900		9830		9380	16300		7820	7570	15500	9060	4390	11600	12100	13100	10300	10600	15900	11400		
Antimony	EPA 6010B	5		7 UJ		5 UJ		5 UJ	7 UJ		5 UJ	5 UJ	7 UJ	6 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ		
Arsenic	EPA 6010B	5		7 U		5 U		5 U	7 U		5 U	5 U	7 U	6 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U		
Barium	EPA 6010B	0.3		68.4		28.8 J		25.5 J	64 J		26.3 J	20.7 J	48.8 J	28.4	14.1	33.6	35.2	51.7	39.6	30.1	39.7	50.9		
Beryllium	EPA 6010B	0.1		0.2		0.1		0.1	0.2		0.1	0.1 U	0.2	0.1 U	0.1 U	0.1	0.1	0.2	0.1	0.1 U	0.2	0.2		
Cadmium	EPA 6010B	0.2		0.3 U		0.2 U		0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2	0.2 U	0.7	1	0.2 U	0.3	0.2 U		
Calcium	EPA 6010B	5		6000		5720		5020	7210		4080	4110	5950	3910	2750	6010	5480	6410	5520	5370	11700	6340		
Chromium	EPA 6010B	0.5		206		10.4		11.4	16.8		8.6	11.6	16.8	9.6	6.1	19.9	11	22.1	16.2	9.9	39.6	13		
Cobalt	EPA 6010B	0.3		4.4		3.4		6.7	5.6		3.9	3.9	6.4	3.3	2.1	5.3	3.6	6.9	4.6	5.2	8.6	5.1		
Copper	EPA 6010B	0.2		18.8		14.1		10.1	21.5		7.9	9.4	25	7.3	9	18	12.1	36.7	16.2	12.4	38.3	20.7		
Iron	EPA 6010B	5		15700		11800		10700	19900		9940	10300	14000	8060	5880	15100	12100	17900	21100	13700	21100	15200		
Lead	EPA 6010B	2		4		2 U		2 U	99		2 U	5	4	2 U	4	12	2 U	57	39	2 U	8	7		
Magnesium	EPA 6010B	5		4180		1980		1990	3160		1840	1860	3180	1760	1790	3990	2370	5270	2500	2150	8560	3180		
Manganese	EPA 6010B	0.1		126		94.7		104	132		106	119	120	75	105	201	138	269	183	115	327	185		
Mercury	EPA 7471A	0.02		0.03		0.02 U		0.03 U	0.04		0.02 U	0.03 U	0.05	0.02 U	0.03	0.02 U	0.02 U	0.07	0.04	0.02 U	0.02	0.02		
Molybdenum	EPA 6010B	0.5		0.7 U		0.5		0.5	0.7 U		0.5 U	0.7	0.7 U	0.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.6 U	0.5 U	0.5 U		
Nickel	EPA 6010B	1		12		7		7	10		6	7	13	6	7	17	8	26	11	8	37	11		
Selenium	EPA 6010B	5		7 U		5 U		5 U	7 U		5 U	5 U	7 U	6 U	5 U	5 U	5 U	5 U	5 U	6 U	5 U	5 U		
Silver	EPA 6010B	0.3		0.4 U		0.3 U		0.3 U	0.4 U		0.3 U	0.3 U	0.4 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U		
Thallium	EPA 200.8	0.2		0.3 U		0.2 U		0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		
Tin	EPA 6010B	1		1 U		1 U		1 U	137		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U		
Vanadium	EPA 6010B	0.3		46.9		43.9		38.8	49.6		30.6	37.3	54.7	30.3	15.7	47.7	40.6	50.3	45.2	39	59.6	46.8		
Zinc	EPA 6010B	1		67		22		23	52		20	21	32	23	17	38	23	122	106	28	53	37		
Cyanide	EPA 335.2	0.05		0.065 U		0.052 U		0.051 U	0.324		0.048 U	0.05 U	0.069 U					0.052 U	0.161	0.057 U				
Total Solids (%)	EPA 160.3	0.01		71.2		90.6		94.1	68.4		97.3	93.9	71.3					90.7	90.4	86.1				
Petroleum Hydrocarbons (mg/kg)																								
TPH - Gasoline Range	NWTPH-Gx	3.7																						
TPH - Diesel Range	NWTPH-Dx-Cleaned	5																						
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10																						

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-18	2-31-DP-19	2-31-DP-19	2-31-DP-19	2-31-DP-20	2-31-DP-20	2-31-DP-20	2-31-DP-20	2-31-DP-21	2-31-DP-21	2-31-DP-21	2-31-DP-22	2-31-DP-22	2-31-DP-22	2-31-DP-23	2-31-DP-23	2-31-DP-23	2-31-DP-23	2-31-DP-24	2-31-DP-24	2-31-DP-24	2-31-DP-25	2-31-DP-25
			Depth:	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-18-09-S-0	2-31-DP-19-01-S-0	2-31-DP-19-04-S-0	2-31-DP-19-09-S-0	2-31-DP-20-01-S-0	2-31-DP-20-01-S-4	2-31-DP-20-04-S-0	2-31-DP-20-09-S-0	2-31-DP-21-01-S-0	2-31-DP-21-04-S-0	2-31-DP-21-09-S-0	2-31-DP-22-01-S-0	2-31-DP-22-04-S-0	2-31-DP-22-09-S-0	2-31-DP-23-01-S-0	2-31-DP-23-04-S-0	2-31-DP-23-09-S-0	2-31-DP-23-09-S-4	2-31-DP-24-01-S-0	2-31-DP-24-04-S-0	2-31-DP-24-09-S-0	2-31-DP-25-01-S-0	2-31-DP-25-04-S-0
			Date:	9/10/2009	9/24/2009	9/24/2009	9/24/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/15/2009	9/15/2009	9/15/2009	9/10/2009	9/10/2009	9/10/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/3/2009	9/3/2009	9/3/2009	9/9/2009	9/9/2009
VOCs (µg/kg)																										
Chloromethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Bromomethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Vinyl Chloride	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 UJ	1.1 UJ	1.1 UJ	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 UJ	1.1 UJ
Chloroethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 UJ	0.8 UJ	1.1 UJ	1 UJ	0.9 UJ	1 UJ	1.2 UJ	1 U	1.1 U	1.1 U	1.1 UJ	1.2 UJ	1.2 UJ	1.1 UJ	0.8 U	0.8 U	1 U	1 U	1.1 U
Methylene Chloride	EPA 8260C	2		2.4 U	2.6 U	2.4 U	2.8 U	2.8 U	1.9 U	3.1 U	4.5 U	2.4 U	3 U	3.6 U	2 U	3 U	3.5 U	3.4 U	4.2 U	4.1 U	3.7 U	2.4 U	2.3 U	2.3 U	8.6 U	9.6 U
Acetone	EPA 8260C	5		30	170	18 U	51	36	19	120	36	30	40	58	44	33 U	32 U	49	110	36	37	36 U	34 U	36 U	32 U	34 U
Carbon Disulfide	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	1.6	1.8	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	2.1	0.8 U	1.4	1 U	1.1 U
1,1-Dichloroethene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,1-Dichloroethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
trans-1,2-Dichloroethene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
cis-1,2-Dichloroethene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Chloroform	EPA 8260C	1		1 U	0.8 U	0.9	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,2-Dichloroethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
2-Butanone	EPA 8260C	5		5 UR	13 U	4.3 U	4.7 U	4.8 UR	3.9 UR	5.5 UR	5.1 UR	4.4 UR	5 UR	5.9 UR	5.1 U	5.3 U	5.3 U	5.3 UR	6.1 UR	5.8 UR	5.3 UR	4.2 U	4.1 U	5 U	4.8 U	5.3 U
1,1,1-Trichloroethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Carbon Tetrachloride	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Vinyl Acetate	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 UR	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
Bromodichloromethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,2-Dichloropropane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
cis-1,3-Dichloropropene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Trichloroethene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Dibromochloromethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,1,2-Trichloroethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Benzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
trans-1,3-Dichloropropene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
2-Chloroethylvinylether	EPA 8260C	5		5 U	4.2 UR	4.3 UR	4.7 UR	4.8 UR	3.9 UR	5.5 UR	5.1 UR	4.4 UR	5 UR	5.9 UR	5.1 UR	5.3 UR	5.3 UR	5.3 UR	6.1 UR	5.8 UR	5.3 UR	4.2 UR	4.1 UR	5 UR	4.8 UR	5.3 UR
Bromoform	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Methyl isobutyl ketone	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 U	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
2-Hexanone	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 U	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
Tetrachloroethene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,1,2,2-Tetrachloroethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Toluene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Chlorobenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Ethylbenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Styrene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Trichlorofluoromethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2		2 U	1.7 U	1.7 U	1.9 U	1.9 U	1.5 U	2.2 U	2.1 U	1.8 U	2 U	2.4 U	2 U	2.1 U	2.1 U	2.1 U	2.4 U	2.3 U	2.1 U	1.7 U	1.6 U	2 U	1.9 U	2.1 U
m,p-Xylene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
o-Xylene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,2-Dichlorobenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,3-Dichlorobenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,4-Dichlorobenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Acrolein	EPA 8260C	50		50 U	42 U	43 U	47 U	48 U	39 U	55 U	51 U	44 U	50 U	59 U	51 U	53 U	53 U	53 UJ	61 U	58 U	53 U	42 U	41 U	50 U	48 U	53 U
Methyl Iodide	EPA 8260C	1		1 U	0.8 UJ	0.8 UJ	0.9 UJ	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Bromoethane	EPA 8260C	2		2 U	1.7 U	1.7 U	1.9 U	1.9 U	1.5 U	2.2 U	2.1 U	1.8 U	2 U	2.4 U	2 U	2.1 U	2.1 U	2.1 U	2.4 U	2.3 U	2.1 U	1.7 U	1.6 U	2 U	1.9 U	2.1 U
Acrylonitrile	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 U	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
1,1-Dichloropropene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Dibromomethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,1,1,2-Tetrachloroethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,2-Dibromo-3-chloropropane	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 U	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
1,2,3-Trichloropropane	EPA 8260C	2		2 U	1.7 U	1.7 U	1.9 U	1.9 U	1.5 U	2.2 U	2.1 U	1.8 U	2 U	2.4 U	2 U	2.1 U	2.1 U	2.1 U	2.4 U	2.3 U	2.1 U	1.7 U	1.6 U	2 U	1.9 U	2.1 U
trans-1,4-Dichloro-2-butene	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 U	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
1,3,5-Trimethylbenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,2,4-Trimethylbenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Hexachlorobutadiene	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 U	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
Ethylene Dibromide	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Bromochloromethane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
2,2-Dichloropropane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,3-Dichloropropane	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Isopropylbenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
n-Propylbenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
Bromobenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
2-Chlorotoluene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
4-Chlorotoluene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
tert-Butylbenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
sec-Butylbenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
4-Isopropyltoluene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
n-Butylbenzene	EPA 8260C	1		1 U	0.8 U	0.8 U	0.9 U	1 U	0.8 U	1.1 U	1 U	0.9 U	1 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.1 U	0.8 U	0.8 U	1 U	1 U	1.1 U
1,2,4-Trichlorobenzene	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 UJ	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
Naphthalene	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 UJ	3.9 UJ	5.5 UJ	5.1 UJ	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 U	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U
1,2,3-Trichlorobenzene	EPA 8260C	5		5 U	4.2 U	4.3 U	4.7 U	4.8 U	3.9 U	5.5 U	5.1 U	4.4 U	5 U	5.9 U	5.1 U	5.3 U	5.3 U	5.3 UJ	6.1 U	5.8 U	5.3 U	4.2 U	4.1 U	5 U	4.8 U	5.3 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-18	2-31-DP-19	2-31-DP-19	2-31-DP-19	2-31-DP-20	2-31-DP-20	2-31-DP-20	2-31-DP-20	2-31-DP-21	2-31-DP-21	2-31-DP-21	2-31-DP-22	2-31-DP-22	2-31-DP-22	2-31-DP-23	2-31-DP-23	2-31-DP-23	2-31-DP-23	2-31-DP-24	2-31-DP-24	2-31-DP-24	2-31-DP-25	2-31-DP-25
			Depth:	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-18-09-S-0	2-31-DP-19-01-S-0	2-31-DP-19-04-S-0	2-31-DP-19-09-S-0	2-31-DP-20-01-S-0	2-31-DP-20-01-S-4	2-31-DP-20-04-S-0	2-31-DP-20-09-S-0	2-31-DP-21-01-S-0	2-31-DP-21-04-S-0	2-31-DP-21-09-S-0	2-31-DP-22-01-S-0	2-31-DP-22-04-S-0	2-31-DP-22-09-S-0	2-31-DP-23-01-S-0	2-31-DP-23-04-S-0	2-31-DP-23-09-S-0	2-31-DP-23-09-S-4	2-31-DP-24-01-S-0	2-31-DP-24-04-S-0	2-31-DP-24-09-S-0	2-31-DP-25-01-S-0	2-31-DP-25-04-S-0
			Date:	9/10/2009	9/24/2009	9/24/2009	9/24/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/15/2009	9/15/2009	9/15/2009	9/10/2009	9/10/2009	9/10/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/3/2009	9/3/2009	9/3/2009	9/9/2009	9/9/2009
SVOCs (µg/kg)																										
Phenol	EPA 8270D	67																								
bis(2-Chloroethyl)ether	EPA 8270D	67																								
2-Chlorophenol	EPA 8270D	67																								
1,3-Dichlorobenzene	EPA 8270D	67																								
1,4-Dichlorobenzene	EPA 8270D	67																								
Benzyl Alcohol	EPA 8270D	330																								
1,2-Dichlorobenzene	EPA 8270D	67																								
2-Methylphenol	EPA 8270D	67																								
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67																								
4-Methylphenol	EPA 8270D	67																								
N-Nitroso-Di-N-Propylamine	EPA 8270D	330																								
Hexachloroethane	EPA 8270D	67																								
Nitrobenzene	EPA 8270D	67																								
Isophorone	EPA 8270D	67																								
2-Nitrophenol	EPA 8270D	67																								
2,4-Dimethylphenol	EPA 8270D	67																								
Benzoic Acid	EPA 8270D	670																								
bis(2-Chloroethoxy)methane	EPA 8270D	67																								
2,4-Dichlorophenol	EPA 8270D	330																								
1,2,4-Trichlorobenzene	EPA 8270D	67																								
Naphthalene	EPA 8270D	67																								
4-Chloroaniline	EPA 8270D	330																								
Hexachlorobutadiene	EPA 8270D	67																								
4-Chloro-3-methylphenol	EPA 8270D	330																								
2-Methylnaphthalene	EPA 8270D	67																								
Hexachlorocyclopentadiene	EPA 8270D	330																								
2,4,6-Trichlorophenol	EPA 8270D	330																								
2,4,5-Trichlorophenol	EPA 8270D	330																								
2-Chloronaphthalene	EPA 8270D	67																								
2-Nitroaniline	EPA 8270D	330																								
Dimethylphthalate	EPA 8270D	67																								
Acenaphthylene	EPA 8270D	67																								
3-Nitroaniline	EPA 8270D	330																								
Acenaphthene	EPA 8270D	67																								
2,4-Dinitrophenol	EPA 8270D	670																								
4-Nitrophenol	EPA 8270D	330																								
Dibenzofuran	EPA 8270D	67																								
2,6-Dinitrotoluene	EPA 8270D	330																								
2,4-Dinitrotoluene	EPA 8270D	330																								
Diethylphthalate	EPA 8270D	67																								
4-Chlorophenyl-phenylether	EPA 8270D	67																								
Fluorene	EPA 8270D	67																								
4-Nitroaniline	EPA 8270D	330																								
4,6-Dinitro-2-Methylphenol	EPA 8270D	670																								
N-Nitrosodiphenylamine	EPA 8270D	67																								
4-Bromophenyl-phenylether	EPA 8270D	67																								
Hexachlorobenzene	EPA 8270D	67																								
Pentachlorophenol	EPA 8270D	330																								
Phenanthrene	EPA 8270D	67																								
Carbazole	EPA 8270D	67																								
Anthracene	EPA 8270D	67																								
Di-n-Butylphthalate	EPA 8270D	67																								
Fluoranthene	EPA 8270D	67																								
Pyrene	EPA 8270D	67																								
Butylbenzylphthalate	EPA 8270D	67																								
3,3'-Dichlorobenzidine	EPA 8270D	330																								
Benzo(a)anthracene	EPA 8270D	67																								
bis(2-Ethylhexyl)phthalate	EPA 8270D	67																								
Chrysene	EPA 8270D	67																								
Di-n-octylphthalate	EPA 8270D	67																								
Benzo(b)fluoranthene	EPA 8270D	67																								
Benzo(k)fluoranthene	EPA 8270D	67																								
Benzo(a)pyrene	EPA 8270D	67																								
Indeno(1,2,3-cd)pyrene	EPA 8270D	67																								
Dibenz(a,h)anthracene	EPA 8270D	67																								
Benzo(g,h,i)perylene	EPA 8270D	67																								
1-Methylnaphthalene	EPA 8270D	67																								
Naphthalene	EPA 8270DSIM	5																								
2-Methylnaphthalene	EPA 8270DSIM	5																								
1-Methylnaphthalene	EPA 8270DSIM	5																								
Acenaphthylene	EPA 8270DSIM	5																								
Acenaphthene	EPA 8270DSIM	5																								
Fluorene	EPA 8270DSIM	5																								
Phenanthrene	EPA 8270DSIM	5																								
Anthracene	EPA 8270DSIM	5																								
Fluoranthene	EPA 8270DSIM	5																								
Pyrene	EPA 8270DSIM	5																								
Benzo(a)anthracene	EPA 8270DSIM	5																								
Chrysene	EPA 8270DSIM	5																								
Benzo(b)fluoranthene	EPA 8270DSIM	5																								
Benzo(k)fluoranthene	EPA 8270DSIM	5																								
Benzo(a)pyrene	EPA 8270DSIM	5																								
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5																								
Dibenz(a,h)anthracene	EPA 8270DSIM	5																								
Benzo(g,h,i)perylene	EPA 8270DSIM	5																								
Dibenzofuran	EPA 8270DSIM	5																								

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-18	2-31-DP-19	2-31-DP-19	2-31-DP-19	2-31-DP-20	2-31-DP-20	2-31-DP-20	2-31-DP-20	2-31-DP-21	2-31-DP-21	2-31-DP-21	2-31-DP-22	2-31-DP-22	2-31-DP-22	2-31-DP-23	2-31-DP-23	2-31-DP-23	2-31-DP-23	2-31-DP-24	2-31-DP-24	2-31-DP-24	2-31-DP-25	2-31-DP-25
			Depth:	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5
			Sample ID:	2-31-DP-18-09-S-0	2-31-DP-19-01-S-0	2-31-DP-19-04-S-0	2-31-DP-19-09-S-0	2-31-DP-20-01-S-0	2-31-DP-20-01-S-4	2-31-DP-20-04-S-0	2-31-DP-20-09-S-0	2-31-DP-21-01-S-0	2-31-DP-21-04-S-0	2-31-DP-21-09-S-0	2-31-DP-22-01-S-0	2-31-DP-22-04-S-0	2-31-DP-22-09-S-0	2-31-DP-23-01-S-0	2-31-DP-23-04-S-0	2-31-DP-23-09-S-0	2-31-DP-23-09-S-4	2-31-DP-24-01-S-0	2-31-DP-24-04-S-0	2-31-DP-24-09-S-0	2-31-DP-25-01-S-0	2-31-DP-25-04-S-0
			Date:	9/10/2009	9/24/2009	9/24/2009	9/24/2009	9/21/2009	9/21/2009	9/21/2009	9/21/2009	9/15/2009	9/15/2009	9/15/2009	9/10/2009	9/10/2009	9/10/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/3/2009	9/3/2009	9/3/2009	9/9/2009	9/9/2009
PCBs (µg/kg)																										
Aroclor 1016	EPA 8082	33																								
Aroclor 1242	EPA 8082	33																								
Aroclor 1248	EPA 8082	33																								
Aroclor 1254	EPA 8082	33																								
Aroclor 1260	EPA 8082	33																								
Aroclor 1221	EPA 8082	33																								
Aroclor 1232	EPA 8082	33																								
Aroclor 1262	EPA 8082	33																								
Aroclor 1268	EPA 8082	33																								
Total PCB	EPA 8082	33																								
Inorganics (mg/kg)																										
Aluminum	EPA 6010B	5		10300	13800	13000	14100	8060		18400	9810	4490	12600	14500	12400	13100	12800	9650	8250	13900		9170	11000	18700	12200	15600
Antimony	EPA 6010B	5		5 UJ	5 UJ	5 UJ	6 UJ	5 UJ		7 UJ	6 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ	6 UJ	5 UJ	6 UJ	7 UJ		5 UJ	5 UJ	6 UJ	5 UJ	6 UJ
Arsenic	EPA 6010B	5		5 U	5 U	5 U	6 U	5 U		7 U	6 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	7 U		5 U	5 U	6	5 U	6 U
Barium	EPA 6010B	0.3		29.5	38.7	43	61.1	23 J		78.5 J	29.3 J	13.9	37	42.6	40.3	37.8	38	22	53.5	43.4		37	35.9	67.8	38.2	53.2
Beryllium	EPA 6010B	0.1		0.1 U	0.2	0.2	0.2	0.1		0.3	0.1 U	0.1 U	0.1 U	0.1 U	0.1	0.1	0.1	0.1 U	0.1 U	0.1 U		0.1	0.1	0.2	0.1	0.2
Cadmium	EPA 6010B	0.2		0.2 U	0.2 U	0.2 U	0.2	0.2 U		0.3 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3	0.2	0.2 U
Calcium	EPA 6010B	5		5130	7310	6790	6680	3920		5760	4720	2340	7380	6320	8450	6430	5070	4930	3290	6070		11200	5280	6020	6160	4990
Chromium	EPA 6010B	0.5		11.3	20.5	27.2	21.7	9.1		19.2	9.8	5.5	13.7	13.5	14	14.1	13.5	10.8	8.7	14.7		29.2	16.5	21.4	15	17.5
Cobalt	EPA 6010B	0.3		3.9	7.7	6.8	6.9	3.8		6.1	4.3	2	4.9	5	5.7	5.6	4.2	4.4	3.2	6.4		4	5.2	5.9	5.1	7
Copper	EPA 6010B	0.2		10.2	28.6	22	23.9	8.4		27	8.9	5.9	14.6	18.2	25.4	24.2	15.9	9.9	10.4	20.8		13.2	13.7	29.6	14.9	20.8
Iron	EPA 6010B	5		11700	18400	16700	18500	10800		21700	8740	5230	12700	13800	16500	16800	14400	11900	8230	8160		12200	14500	22900	14400	16700
Lead	EPA 6010B	2		2 U	6	7	6	5		5	2 U	2 U	5	3 U	8	4	2 U	2 U	2 U	3 U		4	5	7	5	5
Magnesium	EPA 6010B	5		2280	4650	4120	5310	2110		3760	1790	954	2580	2670	3690 J	3700	2530	2360	1570	2430		2620	3180	4710	3360	4040
Manganese	EPA 6010B	0.1		111	265	222	265	113		159	82.5	56.8	141	169	210 J	176	95.8	115	98.1	75.7		132	186	197	172	219
Mercury	EPA 7471A	0.02		0.02 U	0.02 U	0.02 U	0.03	0.02 U		0.06	0.02 U	0.03 U	0.02 U	0.03 U	0.02	0.03 U	0.03 U	0.02 U	0.03 U	0.03 U		0.02 U	0.02 U	0.07	0.03	0.06
Molybdenum	EPA 6010B	0.5		0.5 U	0.5 U	0.8	0.6 U	0.5 U		0.8	0.6 U	0.5 U	0.5	0.6 U	0.5 U	0.5 U	0.6 U	0.5 U	0.6 U	0.7 U		6.3	0.5 U	0.6 U	0.5 U	0.6 U
Nickel	EPA 6010B	1		7	18	21	25	7		13	6	3	9	8	14	12	9	7	5	11		12	12	14	13	15
Selenium	EPA 6010B	5		5 U	5 U	5 U	6 U	5 U		7 U	6 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	6 U	7 U		5 U	5 U	6 U	5 U	6 U
Silver	EPA 6010B	0.3		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U		0.4 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U	0.4 U		0.3 U	0.3 U	0.4 U	0.3 U	0.3 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U
Tin	EPA 6010B	1		1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U
Vanadium	EPA 6010B	0.3		42.6	51.8	50.9	52.3	33.1		59.6	34.8	18.3	44.3	48.1	50.7	52.7	47.4	39.6	27.7	51		41.9	45.2	66.3	46	46.5
Zinc	EPA 6010B	1		25	39	36	43	23		40	22	12	31	23	48	38	25	30	16	28		29	41	41	37	43
Cyanide	EPA 335.2	0.05																				0.051 U	0.052 U	0.067 U	0.048 U	0.054 U
Total Solids (%)	EPA 160.3	0.01																				97.2	96.2	74.8	93.6	82.3
Petroleum Hydrocarbons (mg/kg)																										
TPH - Gasoline Range	NWTPH-Gx	3.7																								
TPH - Diesel Range	NWTPH-Dx-Cleaned	5																								
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10																								

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-25	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-27	2-31-DP-27	2-31-DP-27	2-31-DP-27	2-31-DP-28	2-31-DP-28	2-31-DP-28	2-31-DP-29	2-31-DP-29	2-31-DP-29	2-31-DP-30	2-31-DP-31	2-31-DP-31	2-31-DP-31	2-31-DP-31
			Depth:	9 - 10	0 - 1	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10
			Sample ID:	2-31-DP-25-09-S-0	2-31-DP-26-01-S-0	2-31-DP-26-01-S-4	2-31-DP-26-04-S-0	2-31-DP-26-04-S-0 Reanalysis	2-31-DP-26-09-S-0	2-31-DP-27-01-S-0	2-31-DP-27-04-S-0	2-31-DP-27-09-S-0	2-31-DP-27-09-S-0 Reanalysis	2-31-DP-28-01-S-0	2-31-DP-28-04-S-0	2-31-DP-28-09-S-0	2-31-DP-29-01-S-0	2-31-DP-29-04-S-0	2-31-DP-29-09-S-0	2-31-DP-30-09-S-0	2-31-DP-31-01-S-0	2-31-DP-31-01-S-4	2-31-DP-31-04-S-0	2-31-DP-31-09-S-0
			Date:	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/1/2009	9/1/2009	9/1/2009	9/8/2009	9/8/2009	9/8/2009	9/15/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009
VOCs (µg/kg)																								
Chloromethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Bromomethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Vinyl Chloride	EPA 8260C	1		1.2 UJ	1 UJ	0.9 UJ	1.9 UJ	72 U	1.5 J	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	2.6
Chloroethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 UJ	1.1 UJ	1.3 UJ	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 UJ	0.9 U	1.2 U	1.1 U	1.2 U
Methylene Chloride	EPA 8260C	2		13 U	9 U	7.9 U	16 U	710 U	9.1 U	3.4 U	6.9 U	3.9 U	4 U	2.6 U	3.2 U	2.8 U	2.1 U	1.8 U	2.9 U	4.9 U	2.9 U	3.6 U	3 U	2.9 U
Acetone	EPA 8260C	5		34 U	30 U	27 U	27 U	360 U	35 U	59	59	73	77	26 U	26 U	31 U	66	29 J	31	39	33 U	30 U	20 U	39 U
Carbon Disulfide	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	5.8	5.3	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,1-Dichloroethene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,1-Dichloroethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
trans-1,2-Dichloroethene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.3
cis-1,2-Dichloroethene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	19
Chloroform	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,2-Dichloroethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
2-Butanone	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 UR	5.5 UR	6.9 J	8.4 J	4.8 U	5 U	5.5 U	4.6 UR	4.3 UJ	5.2 UR	4.9 UR	4.6 U	5.9 U	5.4 U	5.8 U
1,1,1-Trichloroethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Carbon Tetrachloride	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Vinyl Acetate	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 U	6.4 U	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
Bromodichloromethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,2-Dichloropropane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
cis-1,3-Dichloropropene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Trichloroethene	EPA 8260C	1		1.2 U	57	36	460 J	2000	1 UJ	1.9	4.5	1.3 U	1.3 U	34	21	1.1 U	0.9 U	22 J	1 U	1 U	24	30	24	2.8
Dibromochloromethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,1,2-Trichloroethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Benzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
trans-1,3-Dichloropropene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
2-Chloroethylvinylether	EPA 8260C	5		6.1 UR	4.9 UR	4.7 UR	9.6 UR	360 UR	5.2 UR	5 UR	5.5 UR	6.3 UR	6.4 UR	4.8 UR	5 UR	5.5 UR	4.6 U	4.3 UR	5.2 U	4.9 UR	4.6 UR	5.9 UR	5.4 UR	5.8 UR
Bromoform	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Methyl isobutyl ketone	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 U	6.4 U	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
2-Hexanone	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 U	6.4 U	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
Tetrachloroethene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.2	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,1,2,2-Tetrachloroethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Toluene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Chlorobenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Ethylbenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Styrene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Trichlorofluoromethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2		2.4 U	2 U	1.9 U	3.8 U	140 U	2.1 UJ	2 U	2.2 U	2.5 U	2.6 U	1.9 U	2 U	2.2 U	1.8 U	1.7 UJ	2.1 U	2 U	1.8 U	2.4 U	2.2 U	2.3 U
m,p-Xylene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
o-Xylene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,2-Dichlorobenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,3-Dichlorobenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,4-Dichlorobenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Acrolein	EPA 8260C	50		61 U	49 U	47 U	96 U	3600 U	52 UJ	50 U	55 U	63 U	64 U	48 U	50 U	55 U	46 U	43 UJ	52 U	49 U	46 U	59 U	54 U	58 U
Methyl Iodide	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Bromoethane	EPA 8260C	2		2.4 U	2 U	1.9 U	3.8 U	140 U	2.1 UJ	2 U	2.2 U	2.5 U	2.6 U	1.9 U	2 U	2.2 U	1.8 U	1.7 UJ	2.1 U	2 U	1.8 U	2.4 U	2.2 U	2.3 U
Acrylonitrile	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 U	6.4 U	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
1,1-Dichloropropene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Dibromomethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,1,1,2-Tetrachloroethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,2-Dibromo-3-chloropropane	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 UJ	6.4 UJ	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
1,2,3-Trichloropropane	EPA 8260C	2		2.4 U	2 U	1.9 U	3.8 U	140 U	2.1 UJ	2 U	2.2 U	2.5 UJ	2.6 UJ	1.9 U	2 U	2.2 U	1.8 U	1.7 UJ	2.1 U	2 U	1.8 U	2.4 U	2.2 U	2.3 U
trans-1,4-Dichloro-2-butene	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 UJ	6.4 UJ	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
1,3,5-Trimethylbenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,2,4-Trimethylbenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Hexachlorobutadiene	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 UJ	6.4 UJ	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
Ethylene Dibromide	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Bromochloromethane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
2,2-Dichloropropane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,3-Dichloropropane	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 U	1.3 U	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Isopropylbenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
n-Propylbenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
Bromobenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
2-Chlorotoluene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
4-Chlorotoluene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
tert-Butylbenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
sec-Butylbenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
4-Isopropyltoluene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 U	1 U	1.1 U	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
n-Butylbenzene	EPA 8260C	1		1.2 U	1 U	0.9 U	1.9 U	72 U	1 UJ	1 U	1.1 U	1.3 UJ	1.3 UJ	1 UJ	1 UJ	1.1 UJ	0.9 U	0.9 UJ	1 U	1 U	0.9 U	1.2 U	1.1 U	1.2 U
1,2,4-Trichlorobenzene	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 UJ	6.4 UJ	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
Naphthalene	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 UJ	6.4 UJ	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U
1,2,3-Trichlorobenzene	EPA 8260C	5		6.1 U	4.9 U	4.7 U	9.6 U	360 U	5.2 UJ	5 U	5.5 U	6.3 UJ	6.4 UJ	4.8 U	5 U	5.5 U	4.6 U	4.3 UJ	5.2 U	4.9 U	4.6 U	5.9 U	5.4 U	5.8 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-25	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-27	2-31-DP-27	2-31-DP-27	2-31-DP-27	2-31-DP-28	2-31-DP-28	2-31-DP-28	2-31-DP-29	2-31-DP-29	2-31-DP-29	2-31-DP-30	2-31-DP-31	2-31-DP-31	2-31-DP-31	2-31-DP-31
			Depth:	9 - 10	0 - 1	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10
			Sample ID:	2-31-DP-25-09-S-0	2-31-DP-26-01-S-0	2-31-DP-26-01-S-4	2-31-DP-26-04-S-0	2-31-DP-26-04-S-0 Reanalysis	2-31-DP-26-09-S-0	2-31-DP-27-01-S-0	2-31-DP-27-04-S-0	2-31-DP-27-09-S-0	2-31-DP-27-09-S-0 Reanalysis	2-31-DP-28-01-S-0	2-31-DP-28-04-S-0	2-31-DP-28-09-S-0	2-31-DP-29-01-S-0	2-31-DP-29-04-S-0	2-31-DP-29-09-S-0	2-31-DP-30-09-S-0	2-31-DP-31-01-S-0	2-31-DP-31-01-S-4	2-31-DP-31-04-S-0	2-31-DP-31-09-S-0
			Date:	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/1/2009	9/1/2009	9/1/2009	9/8/2009	9/8/2009	9/8/2009	9/15/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009
SVOCs (µg/kg)																								
Phenol	EPA 8270D	67																						
bis(2-Chloroethyl)ether	EPA 8270D	67																						
2-Chlorophenol	EPA 8270D	67																						
1,3-Dichlorobenzene	EPA 8270D	67																						
1,4-Dichlorobenzene	EPA 8270D	67																						
Benzyl Alcohol	EPA 8270D	330																						
1,2-Dichlorobenzene	EPA 8270D	67																						
2-Methylphenol	EPA 8270D	67																						
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67																						
4-Methylphenol	EPA 8270D	67																						
N-Nitroso-Di-N-Propylamine	EPA 8270D	330																						
Hexachloroethane	EPA 8270D	67																						
Nitrobenzene	EPA 8270D	67																						
Isophorone	EPA 8270D	67																						
2-Nitrophenol	EPA 8270D	67																						
2,4-Dimethylphenol	EPA 8270D	67																						
Benzoic Acid	EPA 8270D	670																						
bis(2-Chloroethoxy)methane	EPA 8270D	67																						
2,4-Dichlorophenol	EPA 8270D	330																						
1,2,4-Trichlorobenzene	EPA 8270D	67																						
Naphthalene	EPA 8270D	67																						
4-Chloroaniline	EPA 8270D	330																						
Hexachlorobutadiene	EPA 8270D	67																						
4-Chloro-3-methylphenol	EPA 8270D	330																						
2-Methylnaphthalene	EPA 8270D	67																						
Hexachlorocyclopentadiene	EPA 8270D	330																						
2,4,6-Trichlorophenol	EPA 8270D	330																						
2,4,5-Trichlorophenol	EPA 8270D	330																						
2-Chloronaphthalene	EPA 8270D	67																						
2-Nitroaniline	EPA 8270D	330																						
Dimethylphthalate	EPA 8270D	67																						
Acenaphthylene	EPA 8270D	67																						
3-Nitroaniline	EPA 8270D	330																						
Acenaphthene	EPA 8270D	67																						
2,4-Dinitrophenol	EPA 8270D	670																						
4-Nitrophenol	EPA 8270D	330																						
Dibenzofuran	EPA 8270D	67																						
2,6-Dinitrotoluene	EPA 8270D	330																						
2,4-Dinitrotoluene	EPA 8270D	330																						
Diethylphthalate	EPA 8270D	67																						
4-Chlorophenyl-phenylether	EPA 8270D	67																						
Fluorene	EPA 8270D	67																						
4-Nitroaniline	EPA 8270D	330																						
4,6-Dinitro-2-Methylphenol	EPA 8270D	670																						
N-Nitrosodiphenylamine	EPA 8270D	67																						
4-Bromophenyl-phenylether	EPA 8270D	67																						
Hexachlorobenzene	EPA 8270D	67																						
Pentachlorophenol	EPA 8270D	330																						
Phenanthrene	EPA 8270D	67																						
Carbazole	EPA 8270D	67																						
Anthracene	EPA 8270D	67																						
Di-n-Butylphthalate	EPA 8270D	67																						
Fluoranthene	EPA 8270D	67																						
Pyrene	EPA 8270D	67																						
Butylbenzylphthalate	EPA 8270D	67																						
3,3'-Dichlorobenzidine	EPA 8270D	330																						
Benzo(a)anthracene	EPA 8270D	67																						
bis(2-Ethylhexyl)phthalate	EPA 8270D	67																						
Chrysene	EPA 8270D	67																						
Di-n-octylphthalate	EPA 8270D	67																						
Benzo(b)fluoranthene	EPA 8270D	67																						
Benzo(k)fluoranthene	EPA 8270D	67																						
Benzo(a)pyrene	EPA 8270D	67																						
Indeno(1,2,3-cd)pyrene	EPA 8270D	67																						
Dibenz(a,h)anthracene	EPA 8270D	67																						
Benzo(g,h,i)perylene	EPA 8270D	67																						
1-Methylnaphthalene	EPA 8270D	67																						
Naphthalene	EPA 8270DSIM	5																						
2-Methylnaphthalene	EPA 8270DSIM	5																						
1-Methylnaphthalene	EPA 8270DSIM	5																						
Acenaphthylene	EPA 8270DSIM	5																						
Acenaphthene	EPA 8270DSIM	5																						
Fluorene	EPA 8270DSIM	5																						
Phenanthrene	EPA 8270DSIM	5																						
Anthracene	EPA 8270DSIM	5																						
Fluoranthene	EPA 8270DSIM	5																						
Pyrene	EPA 8270DSIM	5																						
Benzo(a)anthracene	EPA 8270DSIM	5																						
Chrysene	EPA 8270DSIM	5																						
Benzo(b)fluoranthene	EPA 8270DSIM	5																						
Benzo(k)fluoranthene	EPA 8270DSIM	5																						
Benzo(a)pyrene	EPA 8270DSIM	5																						
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5																						
Dibenz(a,h)anthracene	EPA 8270DSIM	5																						
Benzo(g,h,i)perylene	EPA 8270DSIM	5																						
Dibenzofuran	EPA 8270DSIM	5																						

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-25	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-26	2-31-DP-27	2-31-DP-27	2-31-DP-27	2-31-DP-27	2-31-DP-28	2-31-DP-28	2-31-DP-28	2-31-DP-29	2-31-DP-29	2-31-DP-29	2-31-DP-30	2-31-DP-31	2-31-DP-31	2-31-DP-31	2-31-DP-31
			Depth:	9 - 10	0 - 1	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10
			Sample ID:	2-31-DP-25-09-S-0	2-31-DP-26-01-S-0	2-31-DP-26-01-S-4	2-31-DP-26-04-S-0	2-31-DP-26-04-S-0 Reanalysis	2-31-DP-26-09-S-0	2-31-DP-27-01-S-0	2-31-DP-27-04-S-0	2-31-DP-27-09-S-0	2-31-DP-27-09-S-0 Reanalysis	2-31-DP-28-01-S-0	2-31-DP-28-04-S-0	2-31-DP-28-09-S-0	2-31-DP-29-01-S-0	2-31-DP-29-04-S-0	2-31-DP-29-09-S-0	2-31-DP-30-09-S-0	2-31-DP-31-01-S-0	2-31-DP-31-01-S-4	2-31-DP-31-04-S-0	2-31-DP-31-09-S-0
			Date:	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/15/2009	9/15/2009	9/15/2009	9/15/2009	9/1/2009	9/1/2009	9/1/2009	9/8/2009	9/8/2009	9/8/2009	9/15/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009
PCBs (µg/kg)																								
Aroclor 1016	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Aroclor 1242	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Aroclor 1248	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Aroclor 1254	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Aroclor 1260	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Aroclor 1221	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Aroclor 1232	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Aroclor 1262	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Aroclor 1268	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Total PCB	EPA 8082	33												30 U	31 U	33 U				30 U	31 U		31 U	32 U
Inorganics (mg/kg)																								
Aluminum	EPA 6010B	5		14500	5760		12800		17700	4750	10600	4090		2240	8380	14300	13200	7040	19200	13600	8190		9060	15500
Antimony	EPA 6010B	5		6 UJ	5 UJ		5 UJ		7 UJ	5 UJ	5 UJ	6 UJ		5 UJ	5 UJ	7 UJ	5 UJ	5 UJ	7 UJ	6 UJ	5 UJ		5 UJ	7 UJ
Arsenic	EPA 6010B	5		6 U	5 U		5 U		7 U	5 U	5 U	6 U		5 U	5 U	7 U	5 U	5 U	7 U	6 U	5 U		5 U	7 U
Barium	EPA 6010B	0.3		54.7	1300		48.5		53.9	14.5	37.2	13.1		9.6	22.6 J	41.9	38.4	1090	67	51.9	27.8		26.8	47.1
Beryllium	EPA 6010B	0.1		0.2	0.2		0.2		0.2	0.1 U	0.1 U	0.1 U		0.1 U	0.1 U	0.1 U	0.1	0.1 U	0.2	0.1	0.1		0.1	0.2
Cadmium	EPA 6010B	0.2		0.2	0.2		0.2 U		0.3 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U		0.2 U	0.3 U
Calcium	EPA 6010B	5		5020	2200		4580		5380	2630	4910	1090		1030	4140	5450	6500	3660	5170	5240	4090		4110	5900
Chromium	EPA 6010B	0.5		17.1	7.4		15.6		18.1	10.7	11.9	4.3		3.4	12.1	15.1	23.7	9.2	16	15.3 J	11.3		12.2	18.6
Cobalt	EPA 6010B	0.3		6.9	2.7		5.6		5.8	3	4.4	1.4		1.7	4	4.3	8.4	2.9	4.5	4.8	4.2		4.5	7.5
Copper	EPA 6010B	0.2		24	9.3		20.9		26.7	6.3	11.4	6.5		2.7	9.2	16.8	41.9	8.1	18.8	23.9	8.7		9.7	23.4
Iron	EPA 6010B	5		17800	7190		17500		16200	6730	13400	4080		3280	12200	13300	20900	8530	12300	11500	12100		12300	12800
Lead	EPA 6010B	2		4	4		3		4	2 U	3	3 U		3	2 U	3 U	2 U	3	4	3	2 U		2 U	3 U
Magnesium	EPA 6010B	5		4070	1430		3120		3810	1600	2450	828		620	2220	2790	6770	1800	3620	2850	2230		2520	3180
Manganese	EPA 6010B	0.1		221	70.8		210		133	88.2	122	38.6		33.7	113	107	321	85.2	108	112 J	107		116	112
Mercury	EPA 7471A	0.02		0.06	0.04		0.02		0.04	0.03	0.04	0.15		0.03	0.02 U	0.03	0.02 U	0.02 U	0.04	0.03	0.02 U		0.02 U	0.03 U
Molybdenum	EPA 6010B	0.5		0.6 U	0.5 U		0.5 U		0.7 U	0.5 U	0.5 U	0.6 U		0.5 U	0.5 U	0.7 U	0.5 U	0.5 U	0.7 U	0.6 U	0.5 U		0.5 U	0.7 U
Nickel	EPA 6010B	1		16	11		11		13	8	9	3		3	8	8	32	8	12	11	8		8	13
Selenium	EPA 6010B	5		6 U	5 U		5 U		7 U	5 U	5 U	6 U		5 U	5 U	7 U	5 U	5 U	7 U	6 U	5 U		5 U	7 U
Silver	EPA 6010B	0.3		0.3 U	0.3 U		0.3 U		0.4 U	0.3 U	0.3 U	0.4 U		0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.4 U	0.3 U		0.3 U	0.4 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U		0.2 U		0.3 U	0.2 U	0.2 U	0.3 U		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.3 U
Tin	EPA 6010B	1		1 U	2		1 U		1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U
Vanadium	EPA 6010B	0.3		50.5	26.2		49.5		53.5	17.6	34	14.1		10.4	41.4	45.2	63	27.2	37.3	48.6	37.8		38.4	61.2
Zinc	EPA 6010B	1		40	41		33		37	21	211	9		9	24 J	28	37	27	29	31	25		26	32
Cyanide	EPA 335.2	0.05		0.055 U						0.052 U	0.052 U	0.069 U		0.052 U	0.049 U	0.069 U	0.054 U	0.051 U	0.063 U					
Total Solids (%)	EPA 160.3	0.01		83.5						95.8	92.8	70.7		95.14	97.7	72.8	90.1	93.5	75.6					
Petroleum Hydrocarbons (mg/kg)																								
TPH - Gasoline Range	NWTPH-Gx	3.7															4.9 U	4.7 U	7.7 U					
TPH - Diesel Range	NWTPH-Dx-Cleaned	5															5.4 U	5.6 U	7.2 U					
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10															11 U	11 U	18					

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-32	2-31-DP-32	2-31-DP-32	2-31-DP-33	2-31-DP-33	2-31-DP-33	2-31-DP-34	2-31-DP-34	2-31-DP-34	2-31-DP-34	2-31-DP-35	2-31-DP-35	2-31-DP-35	2-31-DP-36	2-31-DP-36	2-31-DP-36	2-31-DP-37	2-31-DP-37	2-31-DP-37	2-31-DP-38	2-31-DP-38	2-31-DP-38	2-31-DP-39
			Depth:	0 - 1	4 - 5	9 - 10	0 - 1	0 - 4	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1
			Sample ID:	2-31-DP-32-01-S-0	2-31-DP-32-04-S-0	2-31-DP-32-09-S-0	2-31-DP-33-01-S-0	2-31-DP-33-04-S-0	2-31-DP-33-09-S-0	2-31-DP-34-01-S-0	2-31-DP-34-04-S-0	2-31-DP-34-04-S-4	2-31-DP-34-09-S-0	2-31-DP-35-01-S-0	2-31-DP-35-04-S-0	2-31-DP-35-09-S-0	2-31-DP-36-01-S-0	2-31-DP-36-04-S-0	2-31-DP-36-09-S-0	2-31-DP-37-01-S-0	2-31-DP-37-04-S-0	2-31-DP-37-09-S-0	2-31-DP-38-01-S-0	2-31-DP-38-04-S-0	2-31-DP-38-09-S-0	2-31-DP-39-01-S-0
			Date:	8/31/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/8/2009	9/8/2009	9/8/2009	9/1/2009	9/1/2009	9/1/2009	9/8/2009	9/8/2009	9/8/2009	9/3/2009	9/3/2009	9/3/2009	9/16/2009
VOCs (µg/kg)																										
Chloromethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Bromomethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 UJ	1.1 UJ	1 UJ	1.2 UJ	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 UJ	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Vinyl Chloride	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	5.4	0.9 U	1.1 U	3.7	0.9 U	1.2 U	5.9	0.9 U	1 UJ	1.7	0.9 U	1 U	1.4	0.9 U
Chloroethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Methylene Chloride	EPA 8260C	2		3 U	4.3 U	3.3 U	2.2 U	2.2 U	2.6 U	2.5 U	3.6 U	2.4 U	4 U	2.7 U	3.2 U	4.2 U	3.1 U	2.7 U	3 U	3 U	3.2 U	3.4 U	2.9 U	3.5 U	2 U	2.3 U
Acetone	EPA 8260C	5		31 U	42 Q	41 U	27 U	50 Q	40 Q	31 Q	26 Q	31 Q	37 Q	28	37	65	22 U	29 U	46 U	35	55 J	30	28 U	25 U	26 U	35
Carbon Disulfide	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	2.2	1.1 U	5	0.9 U	1.2 U	3.9	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1.1	0.9 U
1,1-Dichloroethene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,1-Dichloroethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
trans-1,2-Dichloroethene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	3.8	0.9 U
cis-1,2-Dichloroethene	EPA 8260C	1		1 U	1 U	5.8	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	4.4	0.9 U	1.1 U	1.3 U	0.9 U	1.4	7	0.9 U	1 UJ	3.7	0.9 U	1 U	20	0.9 U
Chloroform	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,2-Dichloroethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
2-Butanone	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	7.2 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 UR	5.5 UR	8.1 J	4.6 U	5.8 U	6 U	4.6 UR	4.8 UR	5.4 UR	4.6 U	5.2 U	5 U	4.6 U
1,1,1-Trichloroethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Carbon Tetrachloride	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Vinyl Acetate	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
Bromodichloromethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,2-Dichloropropane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
cis-1,3-Dichloropropene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Trichloroethene	EPA 8260C	1		80	41	19	60	37	1 U	36	38	65	1.2 U	0.9 U	7.6	1.3 U	12	98	1.9	0.9 U	3.3 J	1.1 U	23	17	180	1
Dibromochloromethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,1,2-Trichloroethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Benzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
trans-1,3-Dichloropropene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
2-Chloroethylvinylether	EPA 8260C	5		4.9 UR	5.1 UR	5.8 UR	4.8 UR	5.4 UR	4.8 UR	4.2 UR	5.4 UR	5.2 UR	6.2 UR	4.4 U	5.5 U	6.4 U	4.6 UR	5.8 UR	6 UR	4.6 U	4.8 UR	5.4 U	4.6 UR	5.2 UR	5 UR	4.6 UR
Bromoform	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Methyl isobutyl ketone	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
2-Hexanone	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
Tetrachloroethene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,1,2,2-Tetrachloroethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Toluene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Chlorobenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Ethylbenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Styrene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Trichlorofluoromethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2		2 U	2 U	2.3 U	1.9 U	2.2 U	1.9 U	1.7 U	2.2 U	2.1 U	2.5 U	1.8 U	2.2 U	2.5 U	1.8 U	2.3 U	2.4 U	1.9 U	1.9 UJ	2.1 U	1.8 U	2.1 U	2 U	1.9 U
m,p-Xylene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
o-Xylene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,2-Dichlorobenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,3-Dichlorobenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,4-Dichlorobenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Acrolein	EPA 8260C	50		49 U	51 U	58 U	48 U	54 U	48 U	42 U	54 U	52 U	62 U	44 U	55 U	64 U	46 U	58 U	60 U	46 U	48 UJ	54 U	46 U	52 U	50 U	46 U
Methyl Iodide	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 UJ
Bromoethane	EPA 8260C	2		2 U	2 U	2.3 U	1.9 U	2.2 U	1.9 U	1.7 U	2.2 U	2.1 U	2.5 U	1.8 U	2.2 U	2.5 U	1.8 U	2.3 U	2.4 U	1.9 U	1.9 UJ	2.1 U	1.8 U	2.1 U	2 U	1.9 U
Acrylonitrile	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
1,1-Dichloropropene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Dibromomethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,1,1,2-Tetrachloroethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,2-Dibromo-3-chloropropane	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
1,2,3-Trichloropropane	EPA 8260C	2		2 U	2 U	2.3 U	1.9 U	2.2 U	1.9 U	1.7 U	2.2 U	2.1 U	2.5 U	1.8 U	2.2 U	2.5 U	1.8 U	2.3 U	2.4 U	1.9 U	1.9 UJ	2.1 U	1.8 U	2.1 U	2 U	1.9 U
trans-1,4-Dichloro-2-butene	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
1,3,5-Trimethylbenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,2,4-Trimethylbenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Hexachlorobutadiene	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
Ethylene Dibromide	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Bromochloromethane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
2,2-Dichloropropane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,3-Dichloropropane	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Isopropylbenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
n-Propylbenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
Bromobenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
2-Chlorotoluene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
4-Chlorotoluene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
tert-Butylbenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
sec-Butylbenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
4-Isopropyltoluene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 U	1.2 U	1.2 U	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
n-Butylbenzene	EPA 8260C	1		1 U	1 U	1.2 U	1 U	1.1 U	1 U	0.8 U	1.1 U	1 U	1.2 U	0.9 U	1.1 U	1.3 U	0.9 UJ	1.2 UJ	1.2 UJ	0.9 U	1 UJ	1.1 U	0.9 U	1 U	1 U	0.9 U
1,2,4-Trichlorobenzene	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
Naphthalene	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U
1,2,3-Trichlorobenzene	EPA 8260C	5		4.9 U	5.1 U	5.8 U	4.8 U	5.4 U	4.8 U	4.2 U	5.4 U	5.2 U	6.2 U	4.4 U	5.5 U	6.4 U	4.6 U	5.8 U	6 U	4.6 U	4.8 UJ	5.4 U	4.6 U	5.2 U	5 U	4.6 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-32	2-31-DP-32	2-31-DP-32	2-31-DP-33	2-31-DP-33	2-31-DP-33	2-31-DP-34	2-31-DP-34	2-31-DP-34	2-31-DP-34	2-31-DP-35	2-31-DP-35	2-31-DP-35	2-31-DP-36	2-31-DP-36	2-31-DP-36	2-31-DP-37	2-31-DP-37	2-31-DP-37	2-31-DP-38	2-31-DP-38	2-31-DP-38	2-31-DP-39
			Depth:	0 - 1	4 - 5	9 - 10	0 - 1	0 - 4	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1
			Sample ID:	2-31-DP-32-01-S-0	2-31-DP-32-04-S-0	2-31-DP-32-09-S-0	2-31-DP-33-01-S-0	2-31-DP-33-04-S-0	2-31-DP-33-09-S-0	2-31-DP-34-01-S-0	2-31-DP-34-04-S-0	2-31-DP-34-04-S-4	2-31-DP-34-09-S-0	2-31-DP-35-01-S-0	2-31-DP-35-04-S-0	2-31-DP-35-09-S-0	2-31-DP-36-01-S-0	2-31-DP-36-04-S-0	2-31-DP-36-09-S-0	2-31-DP-37-01-S-0	2-31-DP-37-04-S-0	2-31-DP-37-09-S-0	2-31-DP-38-01-S-0	2-31-DP-38-04-S-0	2-31-DP-38-09-S-0	2-31-DP-39-01-S-0
			Date:	8/31/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/8/2009	9/8/2009	9/8/2009	9/1/2009	9/1/2009	9/1/2009	9/8/2009	9/8/2009	9/8/2009	9/3/2009	9/3/2009	9/3/2009	9/16/2009
SVOCs (µg/kg)																										
Phenol	EPA 8270D	67																					62 U	63 U	60 U	61 U
bis(2-Chloroethyl)ether	EPA 8270D	67																					62 U	63 U	60 U	61 U
2-Chlorophenol	EPA 8270D	67																					62 U	63 U	60 U	61 U
1,3-Dichlorobenzene	EPA 8270D	67																					62 U	63 U	60 U	61 U
1,4-Dichlorobenzene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Benzyl Alcohol	EPA 8270D	330																					310 U	320 U	300 U	300 U
1,2-Dichlorobenzene	EPA 8270D	67																					62 U	63 U	60 U	61 U
2-Methylphenol	EPA 8270D	67																					62 U	63 U	60 U	61 U
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67																					62 U	63 U	60 U	61 U
4-Methylphenol	EPA 8270D	67																					62 U	63 U	60 U	61 U
N-Nitroso-Di-N-Propylamine	EPA 8270D	330																					310 U	320 U	300 U	300 U
Hexachloroethane	EPA 8270D	67																					62 U	63 U	60 U	61 U
Nitrobenzene	EPA 8270D	67																					62 UJ	63 UJ	60 UJ	61 U
Isophorone	EPA 8270D	67																					62 U	63 U	60 U	61 U
2-Nitrophenol	EPA 8270D	67																					62 U	63 U	60 U	61 U
2,4-Dimethylphenol	EPA 8270D	67																					62 U	63 U	60 U	61 U
Benzoic Acid	EPA 8270D	670																					620 UR	630 UR	600 UR	610 UR
bis(2-Chloroethoxy)methane	EPA 8270D	67																					62 U	63 U	60 U	61 U
2,4-Dichlorophenol	EPA 8270D	330																					310 U	320 U	300 U	300 U
1,2,4-Trichlorobenzene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Naphthalene	EPA 8270D	67																					62 U	63 U	60 U	61 U
4-Chloroaniline	EPA 8270D	330																					310 U	320 U	300 U	300 U
Hexachlorobutadiene	EPA 8270D	67																					62 U	63 U	60 U	61 U
4-Chloro-3-methylphenol	EPA 8270D	330																					310 U	320 U	300 U	300 U
2-Methylnaphthalene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Hexachlorocyclopentadiene	EPA 8270D	330																					310 UR	320 UR	300 UR	300 UR
2,4,6-Trichlorophenol	EPA 8270D	330																					310 U	320 U	300 U	300 U
2,4,5-Trichlorophenol	EPA 8270D	330																					310 U	320 U	300 U	300 U
2-Chloronaphthalene	EPA 8270D	67																					62 U	63 U	60 U	61 U
2-Nitroaniline	EPA 8270D	330																					310 U	320 U	300 U	300 U
Dimethylphthalate	EPA 8270D	67																					62 U	63 U	60 U	61 U
Acenaphthylene	EPA 8270D	67																					62 U	63 U	60 U	61 U
3-Nitroaniline	EPA 8270D	330																					310 U	320 U	300 U	300 U
Acenaphthene	EPA 8270D	67																					62 U	63 U	60 U	61 U
2,4-Dinitrophenol	EPA 8270D	670																					620 UR	630 UR	600 UR	610 UJ
4-Nitrophenol	EPA 8270D	330																					310 U	320 U	300 U	300 U
Dibenzofuran	EPA 8270D	67																					62 U	63 U	60 U	61 U
2,6-Dinitrotoluene	EPA 8270D	330																					310 U	320 U	300 U	300 U
2,4-Dinitrotoluene	EPA 8270D	330																					310 U	320 U	300 U	300 U
Diethylphthalate	EPA 8270D	67																					62 U	63 U	60 U	61 U
4-Chlorophenyl-phenylether	EPA 8270D	67																					62 U	63 U	60 U	61 U
Fluorene	EPA 8270D	67																					62 U	63 U	60 U	61 U
4-Nitroaniline	EPA 8270D	330																					310 U	320 U	300 U	300 U
4,6-Dinitro-2-Methylphenol	EPA 8270D	670																					620 UR	630 UR	600 UR	610 U
N-Nitrosodiphenylamine	EPA 8270D	67																					62 U	63 U	60 U	61 U
4-Bromophenyl-phenylether	EPA 8270D	67																					62 U	63 U	60 U	61 U
Hexachlorobenzene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Pentachlorophenol	EPA 8270D	330																					310 U	320 U	300 U	300 U
Phenanthrene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Carbazole	EPA 8270D	67																					62 U	63 U	60 U	61 U
Anthracene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Di-n-Butylphthalate	EPA 8270D	67																					62 U	63 U	60 U	61 U
Fluoranthene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Pyrene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Butylbenzylphthalate	EPA 8270D	67																					62 U	63 U	60 U	61 U
3,3'-Dichlorobenzidine	EPA 8270D	330																					310 U	320 U	300 U	300 U
Benzo(a)anthracene	EPA 8270D	67																					62 U	63 U	60 U	61 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	67																					62 U	63 U	60 U	61 U
Chrysene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Di-n-octylphthalate	EPA 8270D	67																					62 U	63 U	60 U	61 U
Benzo(b)fluoranthene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Benzo(k)fluoranthene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Benzo(a)pyrene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Indeno(1,2,3-cd)pyrene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Dibenz(a,h)anthracene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Benzo(g,h,i)perylene	EPA 8270D	67																					62 U	63 U	60 U	61 U
1-Methylnaphthalene	EPA 8270D	67																					62 U	63 U	60 U	61 U
Naphthalene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
2-Methylnaphthalene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
1-Methylnaphthalene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Acenaphthylene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Acenaphthene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Fluorene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Phenanthrene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Anthracene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Fluoranthene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Pyrene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Benzo(a)anthracene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Chrysene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Benzo(b)fluoranthene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Benzo(k)fluoranthene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Benzo(a)pyrene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Dibenz(a,h)anthracene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Benzo(g,h,i)perylene	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U
Dibenzofuran	EPA 8270DSIM	5																					4.8 U	4.7 U	4.9 U	4.4 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-32	2-31-DP-32	2-31-DP-32	2-31-DP-33	2-31-DP-33	2-31-DP-33	2-31-DP-34	2-31-DP-34	2-31-DP-34	2-31-DP-34	2-31-DP-35	2-31-DP-35	2-31-DP-35	2-31-DP-36	2-31-DP-36	2-31-DP-36	2-31-DP-37	2-31-DP-37	2-31-DP-37	2-31-DP-38	2-31-DP-38	2-31-DP-38	2-31-DP-39
			Depth:	0 - 1	4 - 5	9 - 10	0 - 1	0 - 4	9 - 10	0 - 1	4 - 5	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1
			Sample ID:	2-31-DP-32-01-S-0	2-31-DP-32-04-S-0	2-31-DP-32-09-S-0	2-31-DP-33-01-S-0	2-31-DP-33-04-S-0	2-31-DP-33-09-S-0	2-31-DP-34-01-S-0	2-31-DP-34-04-S-0	2-31-DP-34-04-S-4	2-31-DP-34-09-S-0	2-31-DP-35-01-S-0	2-31-DP-35-04-S-0	2-31-DP-35-09-S-0	2-31-DP-36-01-S-0	2-31-DP-36-04-S-0	2-31-DP-36-09-S-0	2-31-DP-37-01-S-0	2-31-DP-37-04-S-0	2-31-DP-37-09-S-0	2-31-DP-38-01-S-0	2-31-DP-38-04-S-0	2-31-DP-38-09-S-0	2-31-DP-39-01-S-0
			Date:	8/31/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009	8/31/2009	9/2/2009	9/2/2009	9/2/2009	9/2/2009	9/8/2009	9/8/2009	9/8/2009	9/1/2009	9/1/2009	9/1/2009	9/8/2009	9/8/2009	9/8/2009	9/3/2009	9/3/2009	9/3/2009	9/16/2009
PCBs (µg/kg)																										
Aroclor 1016	EPA 8082	33															32 U	33 U	32 U	31 U	30 U	32 U	32 U	31 U	32 U	31 U
Aroclor 1242	EPA 8082	33															32 U	33 U	32 U	31 U	30 U	32 U	32 U	31 U	32 U	31 U
Aroclor 1248	EPA 8082	33															32 U	33 U	32 U	31 U	30 U	32 U	32 U	31 U	32 U	31 U
Aroclor 1254	EPA 8082	33															32 U	33 U	32 U	31 U	30 U	32 U	32 U	31 U	32 U	31 U
Aroclor 1260	EPA 8082	33															32 U	33 U	32 U	31 U	67	32 U	32 U	31 U	32 U	31 U
Aroclor 1221	EPA 8082	33															32 U	33 U	32 U	31 U	30 U	32 U	32 U	31 U	32 U	31 U
Aroclor 1232	EPA 8082	33															32 U	33 U	32 U	31 U	30 U	32 U	32 U	31 U	32 U	31 U
Aroclor 1262	EPA 8082	33															32 U	33 U	32 U	31 U	30 U	32 U	32 U	31 U	32 U	31 U
Aroclor 1268	EPA 8082	33															32 U	33 U	32 U	31 U	30 U	32 U	32 U	31 U	32 U	31 U
Total PCB	EPA 8082	33															32 U	33 U	32 U	31 U	67	32 U	32 U	31 U	32 U	31 U
Inorganics (mg/kg)																										
Aluminum	EPA 6010B	5		9730	9350	14100	9690	8410	13300	11300	10400		11900	11500	10900	19900	10800	13300	21100	7680	11900	13600	9150	12200	12700	13300
Antimony	EPA 6010B	5		5 UJ	5 UJ	7 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ		7 UJ	5 UJ	5 UJ	7 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ	6 UJ	5 UJ
Arsenic	EPA 6010B	5		5 U	5 U	7 U	5 UJ	5 U	6 U	5 U	5 U		7 U	5 U	8	7 U	5 U	5 U	7	5 U	5 U	6 U	5 U	5 U	6 U	5 U
Barium	EPA 6010B	0.3		30.2	27.2	45.2	33.7	24.3	45.2	36.2	43.2		35.1	44	42.4	56.1	35.8	50.4	72.6	29.4	47.4	39.1	26.7	35.7	33.3	45.4
Beryllium	EPA 6010B	0.1		0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2		0.2	0.2	0.1	0.3	0.1	0.1	0.4	0.1 U	0.1	0.1	0.1	0.2	0.2	0.1
Cadmium	EPA 6010B	0.2		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U		0.3 U	0.2 U	1.9	0.3 U	0.2 U	0.2 U	2.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B	5		4230	4710	5180	4060	3900	4400	4410	4860		4420	6630	16400	6580	5300	6540	6550	3070	8680	5780	5020	5090	5400	6630 J
Chromium	EPA 6010B	0.5		12.8	13.9	15.5	17.5 J	13.3	14	13.8	28.8		17.4	27.1	19.7	19.9	93.9	806	1430	16.5	17.2	249	94.3	245	2120	22.3 J
Cobalt	EPA 6010B	0.3		4.3	4.3	4.4	4.5 J	3.8	4.4	11.1	5.3		4.3	6	6	7	4.8	5.8	7.6	4	5	5.7	5.7	4.6	4.4	7.8 J
Copper	EPA 6010B	0.2		11.1	9.4	23.2	11.7 J	8.2	17.6	14.8	14.7		15	11.5	19	29.6	9.8	14.3	27.6	7.2	14	14.5	11.9	12	12.4	27 J
Iron	EPA 6010B	5		12100	12500	14800	12400	10600	9770	13900	12700		9870	14800	15100	16400	12900	14600	25900	9690	14200	11000	13600	13400	11300	17800 J
Lead	EPA 6010B	2		11	2 U	3 U	6 J	2 U	3 U	8	2 U		3 U	2 U	4	4	4	2	7	2 U	4	2 U	9	3	2 U	3 J
Magnesium	EPA 6010B	5		2490	2450	2850	2590 J	2120	2450	2640	2480		2250	5510	4740	4200	2460	3220	4780	3550	3710	2630	3110	2760	2440	5480 J
Manganese	EPA 6010B	0.1		114	118	109	128 J	99.4	81.5	173	128		84.8	248	224	138	147	165	308	165	174	92.1	161	128	101	270 J
Mercury	EPA 7471A	0.02		0.03	0.02 U	0.03 U	0.03	0.02 U	0.03	0.03	0.03		0.04	0.02 U	0.02 U	0.05	0.03	0.02	0.08	0.02 U	0.02	0.03 U	0.02 U	0.02 U	0.03 U	0.02 U
Molybdenum	EPA 6010B	0.5		0.5 U	0.5 U	0.8	0.5 UJ	0.5 U	0.6 U	0.5 U	0.5 U		0.7	0.5 U	0.5 U	0.7 U	0.5 U	0.5 U	0.7	0.5 U	0.5 U	0.6 U	0.9	0.5 U	0.6 U	0.5 U
Nickel	EPA 6010B	1		9	9	9	9 J	7	9	9	10		8	37	24	14	8	12	15	25	18	11	13	9	9	28 J
Selenium	EPA 6010B	5		5 U	5 U	7 U	5 U	5 U	6 U	5 U	5 U		7 U	5 U	5 U	7 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U	5 U	6 U	5 U
Silver	EPA 6010B	0.3		0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U		0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.4 U	0.3 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.3 U	0.2 U
Tin	EPA 6010B	1		1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	EPA 6010B	0.3		38.2	41.5	54.1	37.5 J	36	39.2	44.2	41.8		38.2	36.3	40.1	60.4	42.7	42.7	63.8	25.3	39.7	39.9	39.1	41.4	41.7	54 J
Zinc	EPA 6010B	1		28	27	28	29 J	23	25	31	28		23	27	63	38	32	41	45	19	39	25	31	28	23	36 J
Cyanide	EPA 335.2	0.05																								0.051 U
Total Solids (%)	EPA 160.3	0.01																								93.1
Petroleum Hydrocarbons (mg/kg)																										
TPH - Gasoline Range	NWTPH-Gx	3.7																								5.2 U
TPH - Diesel Range	NWTPH-Dx-Cleaned	5																								5.2 U
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10																								10 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-39	2-31-DP-39	2-31-DP-39	2-31-DP-40	2-31-DP-40	2-31-DP-40	2-31-DP-41	2-31-DP-41	2-31-DP-41	2-31-DP-42	2-31-DP-42	2-31-DP-42	2-31-DP-43	2-31-DP-43	2-31-DP-43	2-31-DP-43	2-31-DP-44	2-31-DP-44	2-31-DP-44
			Depth:	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10
			Sample ID:	2-31-DP-39-04-S-0	2-31-DP-39-09-S-0	2-31-DP-39-09-S-4	2-31-DP-40-01-S-0	2-31-DP-40-04-S-0	2-31-DP-40-09-S-0	2-31-DP-41-01-S-0	2-31-DP-41-04-S-0	2-31-DP-41-09-S-0	2-31-DP-42-01-S-0	2-31-DP-42-04-S-0	2-31-DP-42-09-S-0	2-31-DP-43-01-S-0	2-31-DP-43-01-S-0 Reanalysis	2-31-DP-43-04-S-0	2-31-DP-43-09-S-0	2-31-DP-44-01-S-0	2-31-DP-44-04-S-0	2-31-DP-44-09-S-0
			Date:	9/16/2009	9/16/2009	9/16/2009	9/2/2009	9/2/2009	9/2/2009	9/8/2009	9/8/2009	9/8/2009	9/14/2009	9/14/2009	9/14/2009	9/8/2009	9/8/2009	9/8/2009	9/8/2009	9/21/2009	9/21/2009	9/21/2009
VOCs (µg/kg)																						
Chloromethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Bromomethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 UJ	0.9 UJ	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Vinyl Chloride	EPA 8260C	1		1 U	1.2 U	2.8	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Chloroethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 UJ	0.8 UJ	0.9 UJ
Methylene Chloride	EPA 8260C	2		2.7 U	4.1 U	2.8 U	2.6 U	3 U	1.9 U	3.6 U	2.3 U	2.7 U	3.2 U	3.2 U	4.8 U	2.9 U	2.8 U	3.1 U	3.7 U	4.4 U	2.4 U	3.6 U
Acetone	EPA 8260C	5		26 U	28 U	44	48 J	27 Q	88 Q	39	54	45	49 Q	35 Q	38 Q	49 J	57	24 U	79	66	41	35
Carbon Disulfide	EPA 8260C	1		1 U	8.2	1.2 U	1 UJ	1 U	12	0.9 U	0.9 U	1.7	1 U	0.9 U	3.6	1.1 U	1 U	1 U	1.2 U	1 U	5.2	4.9
1,1-Dichloroethene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,1-Dichloroethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
trans-1,2-Dichloroethene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
cis-1,2-Dichloroethene	EPA 8260C	1		1 U	2.7	5.5	1 UJ	1 U	0.9 U	0.9 U	0.9 U	3.9	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Chloroform	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,2-Dichloroethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
2-Butanone	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	14 U	4.6 UR	4.4 UR	5.6	5.1 UR	4.3 UR	5.3 UR	5.6 J	5.2 J	4.8 U	6 U	5 UR	4.2 UR	4.7 UR
1,1,1-Trichloroethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Carbon Tetrachloride	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Vinyl Acetate	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U
Bromodichloromethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,2-Dichloropropane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
cis-1,3-Dichloropropene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Trichloroethene	EPA 8260C	1		3.6	5.2	3	1.3 J	2.5	2.7	0.9 U	2.8	1.1 U	2.8	25	1.1 U	7.2 J	10	2.9	2.3	1.5	0.8 U	0.9 U
Dibromochloromethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,1,2-Trichloroethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Benzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1.1	1 U	1.2 U	1 U	0.8 U	0.9 U
trans-1,3-Dichloropropene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
2-Chloroethylvinylether	EPA 8260C	5		4.9 UR	5.8 UR	5.9 UR	4.8 UR	5.2 UR	4.7 UR	4.6 U	4.4 U	5.3 UR	5.1 UR	4.3 UR	5.3 UR	5.6 UR	5.1 U	4.8 UR	6 UR	5 UR	4.2 UR	4.7 UR
Bromoform	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Methyl isobutyl ketone	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U
2-Hexanone	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U
Tetrachloroethene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,1,2,2-Tetrachloroethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Toluene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	1.9	1.2	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Chlorobenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Ethylbenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Styrene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Trichlorofluoromethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2		2 U	2.3 U	2.4 U	1.9 UJ	2.1 U	1.9 U	1.8 U	1.8 U	2.1 U	2 U	1.7 U	2.1 U	2.2 U	2 U	1.9 U	2.4 U	2 U	1.7 U	1.9 U
m,p-Xylene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
o-Xylene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,2-Dichlorobenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,3-Dichlorobenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,4-Dichlorobenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Acrolein	EPA 8260C	50		49 U	58 U	59 U	48 UJ	52 U	47 U	46 U	44 U	53 U	51 U	43 U	53 U	56 U	51 U	48 U	60 U	50 U	42 U	47 U
Methyl Iodide	EPA 8260C	1		1 UJ	1.2 UJ	1.2 UJ	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Bromoethane	EPA 8260C	2		2 U	2.3 U	2.4 U	1.9 UJ	2.1 U	1.9 U	1.8 U	1.8 U	2.1 U	2 U	1.7 U	2.1 U	2.2 U	2 U	1.9 U	2.4 U	2 U	1.7 U	1.9 U
Acrylonitrile	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U
1,1-Dichloropropene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Dibromomethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,1,1,2-Tetrachloroethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,2-Dibromo-3-chloropropane	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U
1,2,3-Trichloropropane	EPA 8260C	2		2 U	2.3 U	2.4 U	1.9 UJ	2.1 U	1.9 U	1.8 U	1.8 U	2.1 U	2 U	1.7 U	2.1 U	2.2 U	2 U	1.9 U	2.4 U	2 U	1.7 U	1.9 U
trans-1,4-Dichloro-2-butene	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U
1,3,5-Trimethylbenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,2,4-Trimethylbenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Hexachlorobutadiene	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U
Ethylene Dibromide	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Bromochloromethane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
2,2-Dichloropropane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,3-Dichloropropane	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Isopropylbenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
n-Propylbenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
Bromobenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
2-Chlorotoluene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
4-Chlorotoluene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
tert-Butylbenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
sec-Butylbenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
4-Isopropyltoluene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
n-Butylbenzene	EPA 8260C	1		1 U	1.2 U	1.2 U	1 UJ	1 U	0.9 U	0.9 U	0.9 U	1.1 U	1 U	0.9 U	1.1 U	1.1 U	1 U	1 U	1.2 U	1 U	0.8 U	0.9 U
1,2,4-Trichlorobenzene	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U
Naphthalene	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 UJ	4.2 UJ	4.7 UJ
1,2,3-Trichlorobenzene	EPA 8260C	5		4.9 U	5.8 U	5.9 U	4.8 UJ	5.2 U	4.7 U	4.6 U	4.4 U	5.3 U	5.1 U	4.3 U	5.3 U	5.6 U	5.1 U	4.8 U	6 U	5 U	4.2 U	4.7 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-39	2-31-DP-39	2-31-DP-39	2-31-DP-40	2-31-DP-40	2-31-DP-40	2-31-DP-41	2-31-DP-41	2-31-DP-41	2-31-DP-42	2-31-DP-42	2-31-DP-42	2-31-DP-43	2-31-DP-43	2-31-DP-43	2-31-DP-43	2-31-DP-44	2-31-DP-44	2-31-DP-44
			Depth:	4 - 5	9 - 10	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10
			Sample ID:	2-31-DP-39-04-S-0	2-31-DP-39-09-S-0	2-31-DP-39-09-S-4	2-31-DP-40-01-S-0	2-31-DP-40-04-S-0	2-31-DP-40-09-S-0	2-31-DP-41-01-S-0	2-31-DP-41-04-S-0	2-31-DP-41-09-S-0	2-31-DP-42-01-S-0	2-31-DP-42-04-S-0	2-31-DP-42-09-S-0	2-31-DP-43-01-S-0	2-31-DP-43-01-S-0 Reanalysis	2-31-DP-43-04-S-0	2-31-DP-43-09-S-0	2-31-DP-44-01-S-0	2-31-DP-44-04-S-0	2-31-DP-44-09-S-0
			Date:	9/16/2009	9/16/2009	9/16/2009	9/2/2009	9/2/2009	9/2/2009	9/8/2009	9/8/2009	9/8/2009	9/14/2009	9/14/2009	9/14/2009	9/8/2009	9/8/2009	9/8/2009	9/8/2009	9/21/2009	9/21/2009	9/21/2009
SVOCs (µg/kg)																						
Phenol	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
bis(2-Chloroethyl)ether	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2-Chlorophenol	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
1,3-Dichlorobenzene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
1,4-Dichlorobenzene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Benzyl Alcohol	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
1,2-Dichlorobenzene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2-Methylphenol	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
4-Methylphenol	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
N-Nitroso-Di-N-Propylamine	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
Hexachloroethane	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Nitrobenzene	EPA 8270D	67		58 U	65 U		64 UJ	63 UJ	59 UJ	61 U	61 U	60 U										
Isophorone	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2-Nitrophenol	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2,4-Dimethylphenol	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Benzoic Acid	EPA 8270D	670		580 U	650 U		640 UR	630 UR	590 UR	610 U	610 U	600 U										
bis(2-Chloroethoxy)methane	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2,4-Dichlorophenol	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
1,2,4-Trichlorobenzene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Naphthalene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
4-Chloroaniline	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
Hexachlorobutadiene	EPA 8270D	67		58 U	65 UR		64 U	63 U	59 U	61 U	61 U	60 U										
4-Chloro-3-methylphenol	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
2-Methylnaphthalene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Hexachlorocyclopentadiene	EPA 8270D	330		290 UR	320 U		320 UR	320 UR	300 UR	300 UR	300 UR	300 UR										
2,4,6-Trichlorophenol	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
2,4,5-Trichlorophenol	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
2-Chloronaphthalene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2-Nitroaniline	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
Dimethylphthalate	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Acenaphthylene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
3-Nitroaniline	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
Acenaphthene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2,4-Dinitrophenol	EPA 8270D	670		580 UJ	650 UJ		640 UR	630 UR	590 UR	610 UR	610 UR	600 UR										
4-Nitrophenol	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
Dibenzofuran	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
2,6-Dinitrotoluene	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
2,4-Dinitrotoluene	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
Diethylphthalate	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
4-Chlorophenyl-phenylether	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Fluorene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
4-Nitroaniline	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
4,6-Dinitro-2-Methylphenol	EPA 8270D	670		580 U	650 U		640 UR	630 UR	590 UR	610 UR	610 UR	600 UR										
N-Nitrosodiphenylamine	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
4-Bromophenyl-phenylether	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Hexachlorobenzene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Pentachlorophenol	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 UR	300 UR	300 UR										
Phenanthrene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Carbazole	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Anthracene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Di-n-Butylphthalate	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Fluoranthene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Pyrene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Butylbenzylphthalate	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
3,3'-Dichlorobenzidine	EPA 8270D	330		290 U	320 U		320 U	320 U	300 U	300 U	300 U	300 U										
Benzo(a)anthracene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
bis(2-Ethylhexyl)phthalate	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Chrysene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Di-n-octylphthalate	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Benzo(b)fluoranthene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Benzo(k)fluoranthene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Benzo(a)pyrene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Indeno(1,2,3-cd)pyrene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Dibenz(a,h)anthracene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Benzo(g,h,i)perylene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
1-Methylnaphthalene	EPA 8270D	67		58 U	65 U		64 U	63 U	59 U	61 U	61 U	60 U										
Naphthalene	EPA 8270DSIM	5		4.8 U	6.7		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										
2-Methylnaphthalene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										
1-Methylnaphthalene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										
Acenaphthylene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										
Acenaphthene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										
Fluorene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										
Phenanthrene	EPA 8270DSIM	5		4.8 U	7.6		4.8	4.6 U	4.9 U	4.4 U	6.8	4.7 U										
Anthracene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										
Fluoranthene	EPA 8270DSIM	5		4.8	11		4.8 U	4.6 U	4.9 U	4.4 U	4.8	4.7 U										
Pyrene	EPA 8270DSIM	5		5.2	9.5		4.8 U	4.6 U	4.9 U	4.4 U	8.2	4.7 U										
Benzo(a)anthracene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	7.3	4.7 U										
Chrysene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	11	4.7 U										
Benzo(b)fluoranthene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	11	4.7 U										
Benzo(k)fluoranthene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	7.3	4.7 U										
Benzo(a)pyrene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	13	4.7 U										
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	8.7	4.7 U										
Dibenz(a,h)anthracene	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										
Benzo(g,h,i)perylene	EPA 8270DSIM	5		4.8 U	5.2		4.8 U	4.6 U	4.9 U	4.4 U	12	4.7 U										
Dibenzofuran	EPA 8270DSIM	5		4.8 U	4.8 U		4.8 U	4.6 U	4.9 U	4.4 U	4.8 U	4.7 U										

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location: Depth: Sample ID: Date:	2-31-DP-39 4 - 5 2-31-DP-39-04-S-0 9/16/2009	2-31-DP-39 9 - 10 2-31-DP-39-09-S-0 9/16/2009	2-31-DP-39 9 - 10 2-31-DP-39-09-S-4 9/16/2009	2-31-DP-40 0 - 1 2-31-DP-40-01-S-0 9/2/2009	2-31-DP-40 4 - 5 2-31-DP-40-04-S-0 9/2/2009	2-31-DP-40 9 - 10 2-31-DP-40-09-S-0 9/2/2009	2-31-DP-41 0 - 1 2-31-DP-41-01-S-0 9/8/2009	2-31-DP-41 4 - 5 2-31-DP-41-04-S-0 9/8/2009	2-31-DP-41 9 - 10 2-31-DP-41-09-S-0 9/8/2009	2-31-DP-42 0 - 1 2-31-DP-42-01-S-0 9/14/2009	2-31-DP-42 4 - 5 2-31-DP-42-04-S-0 9/14/2009	2-31-DP-42 9 - 10 2-31-DP-42-09-S-0 9/14/2009	2-31-DP-43 0 - 1 2-31-DP-43-01-S-0 9/8/2009	2-31-DP-43 0 - 1 2-31-DP-43-01-S-0 Reanalysis 9/8/2009	2-31-DP-43 4 - 5 2-31-DP-43-04-S-0 9/8/2009	2-31-DP-43 9 - 10 2-31-DP-43-09-S-0 9/8/2009	2-31-DP-44 0 - 1 2-31-DP-44-01-S-0 9/21/2009	2-31-DP-44 4 - 5 2-31-DP-44-04-S-0 9/21/2009	2-31-DP-44 9 - 10 2-31-DP-44-09-S-0 9/21/2009
PCBs (µg/kg)																					
Aroclor 1016	EPA 8082	33		33 U	33 U														32 U	95 U	31 U
Aroclor 1242	EPA 8082	33		33 U	33 U														32 U	95 U	31 U
Aroclor 1248	EPA 8082	33		33 U	33 U														32 U	95 U	31 U
Aroclor 1254	EPA 8082	33		33 U	33 U														32 U	95 U	31 U
Aroclor 1260	EPA 8082	33		33 U	33 U														93	430	48
Aroclor 1221	EPA 8082	33		33 U	33 U														32 U	95 U	31 U
Aroclor 1232	EPA 8082	33		33 U	33 U														32 U	95 U	31 U
Aroclor 1262	EPA 8082	33		33 U	33 U														32 U	95 U	31 U
Aroclor 1268	EPA 8082	33		33 U	33 U														32 U	95 U	31 U
Total PCB	EPA 8082	33		33 U	33 U														93	430	48
Inorganics (mg/kg)																					
Aluminum	EPA 6010B	5		10600 J	16900 J		7720	6490	9750	9860	13400	17400	15500	7630	10200	11000		8840	23300	12300	11100	14000
Antimony	EPA 6010B	5		5 UJ	7 UJ		5 UJ	5 UJ	6 UJ	5 UJ	6 UJ	7 UJ	6 UJ	5 UJ	6 UJ	5 UJ		5 UJ	8 UJ	5 UJ	5 UJ	5 UJ
Arsenic	EPA 6010B	5		5 U	7 U		5 U	5 U	6 U	5 U	6 U	7 U	6 U	5 U	6 U	5 U		5 U	8 U	6	9	64
Barium	EPA 6010B	0.3		33.7	50.4		34.9	19.4	29.1	29.4	44.3	48.8	53.4	2580	28.3	49.2		23.1	88	41.7 J	56.2 J	96.9 J
Beryllium	EPA 6010B	0.1		0.1	0.2		0.2	0.1 U	0.1	0.1 U	0.2	0.2	0.4	0.2	0.1 U	0.1		0.1 U	0.3	0.2	0.2	0.2
Cadmium	EPA 6010B	0.2		0.2 U	0.4		0.2 U	0.2 U	1.2	0.3	0.4	0.3 U	0.4	0.2 U	0.2 U	1		0.3	0.4	0.2 U	0.4	0.9
Calcium	EPA 6010B	5		6480 J	6490 J		3540	2720	4180	4440	5200	6300	5870	3570	5000	5820		4580	6170	7850	12100	37600
Chromium	EPA 6010B	0.5		16.5 J	460 J		9.7	9.8	734	15.6	17.9	503	17.7	10.7	131 J+	90.4		52.4	47.5	15.1	32.6	28.4
Cobalt	EPA 6010B	0.3		5.3 J	6.2 J		3.5	2.9	2.9	4.1	5	7.9	5.7	4.4	3.4	5.3		4	5.3	6.2	6.3	6.8
Copper	EPA 6010B	0.2		13.6 J	21 J		11.6	6.6	9.1	10.6	16.5	23.7	20.4	10.4	13	20.6		10.7	20.7	20.3	49.8	140
Iron	EPA 6010B	5		12900 J	14100 J		10100	7930	9170	11700	13800	15100	15700	10200	10700	13800		11500	16100	15500	16000	21800
Lead	EPA 6010B	2		10 J	6 J		2	2 U	2 U	2 U	4	3	5	8	2 U	24		3	6	6	17	64
Magnesium	EPA 6010B	5		2790 J	3440 J		1950	1540	1900	2390	2860	3660	3290	1840	2100	2820		2170	5100	3970 J+	4190	4530
Manganese	EPA 6010B	0.1		135 J	128 J		92	71.6	83	114	134	125	157	102	107	205		114	133	229	190	264
Mercury	EPA 7471A	0.02		0.02 U	0.05		0.03	0.02 U	0.02 U	0.02 U	0.03	0.04	0.04	0.03	0.03	0.03		0.02 U	0.05	0.05	0.04	0.1
Molybdenum	EPA 6010B	0.5		1	0.7		0.5 U	0.5 U	0.6 U	0.5 U	0.6 U	0.7 U	0.6 U	0.5	0.6 U	0.5 U		0.5 U	0.8 U	0.5 U	0.9	5.4
Nickel	EPA 6010B	1		11 J	11 J		10	6	10	9	11	15	14	20	8	12		9	15	13	29	20
Selenium	EPA 6010B	5		5 U	7 U		5 U	5 U	6 U	5 U	6 U	7 U	6 U	5 U	6 U	5 U		5 U	8 U	5 U	5 U	5 U
Silver	EPA 6010B	0.3		0.3 U	0.4 U		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.4 U	0.4 U	0.3 U	0.3 U	0.3 U		0.3 U	0.5 U	0.3 U	0.3 U	0.3 U
Thallium	EPA 200.8	0.2		0.2 U	0.3 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.3 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	1		1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U		1 U	2 U	1 U	1 U	6
Vanadium	EPA 6010B	0.3		41.6 J	50.5 J		32.1	25.9	33.9	38.5	44.4	53.8	47.1	44.3	40.3	45.8		43.2	45.3	42	40	46.7
Zinc	EPA 6010B	1		35 J	35 J		22	17	20	28	43	32	41	54	23	63		30	47	46	202	671
Cyanide	EPA 335.2	0.05		0.052 U	0.071 U																	
Total Solids (%)	EPA 160.3	0.01		92.2	68.6																	
Petroleum Hydrocarbons (mg/kg)																					
TPH - Gasoline Range	NWTPH-Gx	3.7		5.3 U	9.2 U																
TPH - Diesel Range	NWTPH-Dx-Cleaned	5		5.3 U	7.7 U																
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10		10 U	34 J																

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-45	2-31-DP-45	2-31-DP-45	2-31-DP-46	2-31-DP-46	2-31-DP-46	2-31-DP-47	2-31-DP-47	2-31-DP-47	2-31-DP-47	2-31-DP-48	2-31-DP-48	2-31-DP-48	2-31-DP-49	2-31-DP-49	2-31-DP-49	2-31-DP-50	2-31-DP-50	2-31-DP-50	PL2-507B
			Depth:	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1
			Sample ID:	2-31-DP-45-01-S-0	2-31-DP-45-04-S-0	2-31-DP-45-09-S-0	2-31-DP-46-01-S-0	2-31-DP-46-04-S-0	2-31-DP-46-09-S-0	2-31-DP-47-01-S-0	2-31-DP-47-01-S-4	2-31-DP-47-04-S-0	2-31-DP-47-09-S-0	2-31-DP-48-01-S-0	2-31-DP-48-04-S-0	2-31-DP-48-09-S-0	2-31-DP-49-01-S-0	2-31-DP-49-04-S-0	2-31-DP-49-09-S-0	2-31-DP-50-01-S-0	2-31-DP-50-04-S-0	2-31-DP-50-09-S-0	2-31-PL2-507B-01-S-0
			Date:	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/8/2009	9/8/2009	9/8/2009	9/8/2009	9/3/2009	9/3/2009	9/3/2009	9/8/2009	9/8/2009	9/8/2009	9/9/2009	9/9/2009	9/9/2009	8/25/2009
VOCs (µg/kg)																							
Chloromethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Bromomethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Vinyl Chloride	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 UJ	0.8 UJ	1 UJ	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 UJ	0.9 UJ	0.9 UJ	0.9 U
Chloroethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Methylene Chloride	EPA 8260C	2		8.4 U	8.1 U	8.4 U	8.5 U	7.2 U	8.4 U	2 U	2 U	3.3 U	3.3 U	2.8 U	2.3 U	2.6 U	2.8 U	2.8 U	3.7 U	8.6 U	7.1 U	9.9 U	1.8 U
Acetone	EPA 8260C	5		19 U	22 U	24 U	29 U	36	32 U	51	63	60	26	45 J	43 U	87	26	26	38	16 U	24 U	30 U	22 U
Carbon Disulfide	EPA 8260C	1		0.9 U	2	2.4	0.9 U	3	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	15	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,1-Dichloroethene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,1-Dichloroethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
trans-1,2-Dichloroethene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
cis-1,2-Dichloroethene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Chloroform	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,2-Dichloroethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
2-Butanone	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	8	8.3 J	6.2 J	4.6 UR	4.4 UJ	5.7 U	15 U	4.7 UR	4.9 UR	4.5 UR	4.8 U	4.5 U	4.6 U	4.4 U
1,1,1-Trichloroethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Carbon Tetrachloride	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Vinyl Acetate	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
Bromodichloromethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,2-Dichloropropane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
cis-1,3-Dichloropropene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Trichloroethene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	2.4	1 U	0.9 U	1 U	0.9	0.9 U	0.9 U
Dibromochloromethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,1,2-Trichloroethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Benzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
trans-1,3-Dichloropropene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
2-Chloroethylvinylether	EPA 8260C	5		4.6 UR	4.6 UR	4.6 UR	4.4 UR	4.2 UR	5 UR	4.4 UR	4.8 U	4.7 U	4.6 U	4.4 UR	5.7 UR	6.5 UR	4.7 U	4.9 U	4.5 U	4.8 UR	4.5 UR	4.6 UR	4.4 UR
Bromoform	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Methyl isobutyl ketone	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
2-Hexanone	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
Tetrachloroethene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,1,2,2-Tetrachloroethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Toluene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Chlorobenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Ethylbenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Styrene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Trichlorofluoromethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2		1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	2 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 UJ	2.3 U	2.6 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
m,p-Xylene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
o-Xylene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,2-Dichlorobenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,3-Dichlorobenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,4-Dichlorobenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Acrolein	EPA 8260C	50		46 U	46 U	46 U	44 U	42 U	50 U	44 U	48 U	47 U	46 U	44 UJ	57 U	65 U	47 U	49 U	45 U	48 U	45 U	46 U	44 U
Methyl Iodide	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Bromoethane	EPA 8260C	2		1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	2 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 UJ	2.3 U	2.6 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
Acrylonitrile	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
1,1-Dichloropropene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Dibromomethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,1,1,2-Tetrachloroethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,2-Dibromo-3-chloropropane	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
1,2,3-Trichloropropane	EPA 8260C	2		1.8 U	1.8 U	1.8 U	1.7 U	1.7 U	2 U	1.8 U	1.9 U	1.9 U	1.8 U	1.8 UJ	2.3 U	2.6 U	1.9 U	1.9 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
trans-1,4-Dichloro-2-butene	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
1,3,5-Trimethylbenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,2,4-Trimethylbenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Hexachlorobutadiene	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
Ethylene Dibromide	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Bromochloromethane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
2,2-Dichloropropane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,3-Dichloropropane	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Isopropylbenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
n-Propylbenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
Bromobenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
2-Chlorotoluene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
4-Chlorotoluene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
tert-Butylbenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
sec-Butylbenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
4-Isopropyltoluene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
n-Butylbenzene	EPA 8260C	1		0.9 U	0.9 U	0.9 U	0.9 U	0.8 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 UJ	1.1 U	1.3 U	1 U	1 U	0.9 U	1 U	0.9 U	0.9 U	0.9 U
1,2,4-Trichlorobenzene	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
Naphthalene	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U
1,2,3-Trichlorobenzene	EPA 8260C	5		4.6 U	4.6 U	4.6 U	4.4 U	4.2 U	5 U	4.4 U	4.8 U	4.7 U	4.6 U	4.4 UJ	5.7 U	6.5 U	4.7 U	4.9 U	4.5 U	4.8 U	4.5 U	4.6 U	4.4 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-45	2-31-DP-45	2-31-DP-45	2-31-DP-46	2-31-DP-46	2-31-DP-46	2-31-DP-47	2-31-DP-47	2-31-DP-47	2-31-DP-47	2-31-DP-48	2-31-DP-48	2-31-DP-48	2-31-DP-49	2-31-DP-49	2-31-DP-49	2-31-DP-50	2-31-DP-50	2-31-DP-50	PL2-507B
			Depth:	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1
			Sample ID:	2-31-DP-45-01-S-0	2-31-DP-45-04-S-0	2-31-DP-45-09-S-0	2-31-DP-46-01-S-0	2-31-DP-46-04-S-0	2-31-DP-46-09-S-0	2-31-DP-47-01-S-0	2-31-DP-47-01-S-4	2-31-DP-47-04-S-0	2-31-DP-47-09-S-0	2-31-DP-48-01-S-0	2-31-DP-48-04-S-0	2-31-DP-48-09-S-0	2-31-DP-49-01-S-0	2-31-DP-49-04-S-0	2-31-DP-49-09-S-0	2-31-DP-50-01-S-0	2-31-DP-50-04-S-0	2-31-DP-50-09-S-0	2-31-PL2-507B-01-S-0
			Date:	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/8/2009	9/8/2009	9/8/2009	9/8/2009	9/3/2009	9/3/2009	9/3/2009	9/8/2009	9/8/2009	9/8/2009	9/9/2009	9/9/2009	9/9/2009	8/25/2009
SVOCs (µg/kg)																							
Phenol	EPA 8270D	67																					120 U
bis(2-Chloroethyl)ether	EPA 8270D	67																					120 U
2-Chlorophenol	EPA 8270D	67																					120 U
1,3-Dichlorobenzene	EPA 8270D	67																					120 U
1,4-Dichlorobenzene	EPA 8270D	67																					120 U
Benzyl Alcohol	EPA 8270D	330																					600 U
1,2-Dichlorobenzene	EPA 8270D	67																					120 U
2-Methylphenol	EPA 8270D	67																					120 U
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67																					120 U
4-Methylphenol	EPA 8270D	67																					120 U
N-Nitroso-Di-N-Propylamine	EPA 8270D	330																					600 U
Hexachloroethane	EPA 8270D	67																					120 U
Nitrobenzene	EPA 8270D	67																					120 UJ
Isophorone	EPA 8270D	67																					120 U
2-Nitrophenol	EPA 8270D	67																					120 U
2,4-Dimethylphenol	EPA 8270D	67																					120 U
Benzoic Acid	EPA 8270D	670																					1200 UR
bis(2-Chloroethoxy)methane	EPA 8270D	67																					120 U
2,4-Dichlorophenol	EPA 8270D	330																					600 U
1,2,4-Trichlorobenzene	EPA 8270D	67																					120 U
Naphthalene	EPA 8270D	67																					120 U
4-Chloroaniline	EPA 8270D	330																					600 U
Hexachlorobutadiene	EPA 8270D	67																					120 U
4-Chloro-3-methylphenol	EPA 8270D	330																					600 U
2-Methylnaphthalene	EPA 8270D	67																					120 U
Hexachlorocyclopentadiene	EPA 8270D	330																					600 UR
2,4,6-Trichlorophenol	EPA 8270D	330																					600 U
2,4,5-Trichlorophenol	EPA 8270D	330																					600 U
2-Chloronaphthalene	EPA 8270D	67																					120 U
2-Nitroaniline	EPA 8270D	330																					600 U
Dimethylphthalate	EPA 8270D	67																					12000 E
Acenaphthylene	EPA 8270D	67																					120 U
3-Nitroaniline	EPA 8270D	330																					600 U
Acenaphthene	EPA 8270D	67																					120 U
2,4-Dinitrophenol	EPA 8270D	670																					1200 UR
4-Nitrophenol	EPA 8270D	330																					600 U
Dibenzofuran	EPA 8270D	67																					120 U
2,6-Dinitrotoluene	EPA 8270D	330																					600 U
2,4-Dinitrotoluene	EPA 8270D	330																					600 U
Diethylphthalate	EPA 8270D	67																					120 U
4-Chlorophenyl-phenylether	EPA 8270D	67																					120 U
Fluorene	EPA 8270D	67																					120 U
4-Nitroaniline	EPA 8270D	330																					600 U
4,6-Dinitro-2-Methylphenol	EPA 8270D	670																					1200 UR
N-Nitrosodiphenylamine	EPA 8270D	67																					120 U
4-Bromophenyl-phenylether	EPA 8270D	67																					120 U
Hexachlorobenzene	EPA 8270D	67																					120 U
Pentachlorophenol	EPA 8270D	330																					600 U
Phenanthrene	EPA 8270D	67																					120 U
Carbazole	EPA 8270D	67																					120 U
Anthracene	EPA 8270D	67																					120 U
Di-n-Butylphthalate	EPA 8270D	67																					120 U
Fluoranthene	EPA 8270D	67																					160
Pyrene	EPA 8270D	67																					120 U
Butylbenzylphthalate	EPA 8270D	67																					120 U
3,3'-Dichlorobenzidine	EPA 8270D	330																					600 U
Benzo(a)anthracene	EPA 8270D	67																					120 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	67																					160
Chrysene	EPA 8270D	67																					120 U
Di-n-octylphthalate	EPA 8270D	67																					120 U
Benzo(b)fluoranthene	EPA 8270D	67																					120 U
Benzo(k)fluoranthene	EPA 8270D	67																					120 U
Benzo(a)pyrene	EPA 8270D	67																					120 U
Indeno(1,2,3-cd)pyrene	EPA 8270D	67																					120 U
Dibenz(a,h)anthracene	EPA 8270D	67																					120 U
Benzo(g,h,i)perylene	EPA 8270D	67																					120 U
1-Methylnaphthalene	EPA 8270D	67																					120 U
Naphthalene	EPA 8270DSIM	5																					14 U
2-Methylnaphthalene	EPA 8270DSIM	5																					14 U
1-Methylnaphthalene	EPA 8270DSIM	5																					14 U
Acenaphthylene	EPA 8270DSIM	5																					14 U
Acenaphthene	EPA 8270DSIM	5																					14 U
Fluorene	EPA 8270DSIM	5																					14 U
Phenanthrene	EPA 8270DSIM	5																					130
Anthracene	EPA 8270DSIM	5																					28
Fluoranthene	EPA 8270DSIM	5																					250
Pyrene	EPA 8270DSIM	5																					280
Benzo(a)anthracene	EPA 8270DSIM	5																					120
Chrysene	EPA 8270DSIM	5																					170
Benzo(b)fluoranthene	EPA 8270DSIM	5																					110
Benzo(k)fluoranthene	EPA 8270DSIM	5																					120
Benzo(a)pyrene	EPA 8270DSIM	5																					120
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5																					80
Dibenz(a,h)anthracene	EPA 8270DSIM	5																					31
Benzo(g,h,i)perylene	EPA 8270DSIM	5																					100
Dibenzofuran	EPA 8270DSIM	5																					14 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location:	2-31-DP-45	2-31-DP-45	2-31-DP-45	2-31-DP-46	2-31-DP-46	2-31-DP-46	2-31-DP-47	2-31-DP-47	2-31-DP-47	2-31-DP-47	2-31-DP-48	2-31-DP-48	2-31-DP-48	2-31-DP-49	2-31-DP-49	2-31-DP-49	2-31-DP-50	2-31-DP-50	2-31-DP-50	PL2-507B
			Depth:	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1	4 - 5	9 - 10	0 - 1
			Sample ID:	2-31-DP-45-01-S-0	2-31-DP-45-04-S-0	2-31-DP-45-09-S-0	2-31-DP-46-01-S-0	2-31-DP-46-04-S-0	2-31-DP-46-09-S-0	2-31-DP-47-01-S-0	2-31-DP-47-01-S-4	2-31-DP-47-04-S-0	2-31-DP-47-09-S-0	2-31-DP-48-01-S-0	2-31-DP-48-04-S-0	2-31-DP-48-09-S-0	2-31-DP-49-01-S-0	2-31-DP-49-04-S-0	2-31-DP-49-09-S-0	2-31-DP-50-01-S-0	2-31-DP-50-04-S-0	2-31-DP-50-09-S-0	2-31-PL2-507B-01-S-0
			Date:	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/9/2009	9/8/2009	9/8/2009	9/8/2009	9/8/2009	9/3/2009	9/3/2009	9/3/2009	9/8/2009	9/8/2009	9/8/2009	9/9/2009	9/9/2009	9/9/2009	8/25/2009
PCBs (µg/kg)																							
Aroclor 1016	EPA 8082	33		31 U	32 U	31 U	37 U	32 U	32 U	32 U		32 U	33 U							30 U	30 U	32 U	32 U
Aroclor 1242	EPA 8082	33		31 U	32 U	31 U	37 U	32 U	32 U	32 U		32 U	33 U							30 U	30 U	32 U	32 U
Aroclor 1248	EPA 8082	33		31 U	32 U	31 U	37 U	32 U	32 U	32 U		32 U	33 U							30 U	30 U	32 U	32 U
Aroclor 1254	EPA 8082	33		31 U	32 U	600	37 U	32 U	32 U	32 U		32 U	33 U							30 U	30 U	32 U	32 U
Aroclor 1260	EPA 8082	33		31 U	350	830	820	700	32 U	36		32 U	33 U							30 U	30 U	32 U	32 U
Aroclor 1221	EPA 8082	33		31 U	32 U	31 U	37 U	32 U	32 U	32 U		32 U	33 U							30 U	30 U	32 U	32 U
Aroclor 1232	EPA 8082	33		31 U	32 U	31 U	37 U	32 U	32 U	32 U		32 U	33 U							30 U	30 U	32 U	32 U
Aroclor 1262	EPA 8082	33		31 U	32 U	31 U	37 U	32 U	32 U	32 U		32 U	33 U							30 U	30 U	32 U	32 U
Aroclor 1268	EPA 8082	33		31 U	32 U	31 U	37 U	32 U	32 U	32 U		32 U	33 U							30 U	30 U	32 U	32 U
Total PCB	EPA 8082	33		31 U	350	1430	820	700	32 U	36		32 U	33 U							30 U	30 U	32 U	32 U
Inorganics (mg/kg)																							
Aluminum	EPA 6010B	5		11500	10200	10100	12200	10300	11400	14500		16900	12900	14200	12800	23900	9420	5010	5590	10100	10000	8490	9160
Antimony	EPA 6010B	5		5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	6 UJ	5 UJ		5 UJ	6 UJ	5 UJ	6 UJ	7 UJ	5 UJ	5 UJ	6 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Arsenic	EPA 6010B	5		5 U	5 U	5 U	8	5	6 U	10		9	6 U	5 U	6 U	9	5 U	5 U	6 U	5 U	14	5 U	5 U
Barium	EPA 6010B	0.3		39	56.8	34	51.5	2170	31.5	69.7		88.5	38.1	53.5	57.1	78.8	27.7	2890	21.3	55.9	39.6	33.4	35.7
Beryllium	EPA 6010B	0.1		0.1	0.1	0.1	0.2	0.1	0.1 U	0.2		0.2	0.2	0.2	0.2	0.4	0.1 U	0.1 U	0.1 U	0.1	0.1	0.1 U	0.1
Cadmium	EPA 6010B	0.2		0.2	0.3	0.2 U	0.3	0.4	0.2 U	0.3		0.3	0.3 U	0.3	0.2 U	0.5	0.2 U	1	0.2 U	0.3	0.2	0.2 U	0.2 U
Calcium	EPA 6010B	5		5980	8130	5730	15600	4840	5430	29300		37600	5820	5650	4320	6150	4620	2450	3120	9920	20400	4080	8440
Chromium	EPA 6010B	0.5		13.1	13.1	16.6	18.5 J	16.8	10.4	26.8		31.6	14.5	22.1	14.9	25.9	11.2	18.3	6.6	26.2	18	13.7	14.1
Cobalt	EPA 6010B	0.3		6.2	4.6	4.8	5.7	6.3	3	9.8		14.1	5.7	7.2	5.5	8.1	4.1	2.4	2.6	58.1	4.9	3.3	5.4
Copper	EPA 6010B	0.2		15.3	23.7	13.9	33.9	22.6	13.4	34.9		44.9	14.4	18.5	19	43.7	10.1	6	6.1	14.5	19.1	8.8	20.7 J
Iron	EPA 6010B	5		13000	12600	13300	15500	13000	10400	19100		22400	10300	17200	15900	24400	12400	6060	5100	14600	13700	11000	13200
Lead	EPA 6010B	2		4	10	4	13	15	2 U	16		13	3 U	10	4	16	3	4	2 U	5	7	2 U	10
Magnesium	EPA 6010B	5		2840	2590	2990	3950	2910	2040	6350		7480	2330	4970	3160	5840	2500	1110	1110	5750	3470	2100	2810
Manganese	EPA 6010B	0.1		156	132	147	200	168	82.7	309		450	84.3	302	182	258	123	46.4	47.3	218	209	97.8	161
Mercury	EPA 7471A	0.02		1.54	0.09	0.02 U	0.09	0.05	0.03 U	0.03		0.02	0.11	0.03	0.05	0.18	0.03 U	0.02	0.02 U	0.02 U	0.02	0.02 U	0.02 U
Molybdenum	EPA 6010B	0.5		0.5 U	0.5 U	0.5 U	0.5	0.5 U	0.6 U	0.7		1.6	0.6 U	0.5 U	0.6 U	0.7 U	0.5 U	0.5 U	0.6 U	0.5 U	0.5 U	0.5 U	0.5 U
Nickel	EPA 6010B	1		15	10	13	14	18	7	28		32	10	25	11	20	9	13	4	32	14	7	11
Selenium	EPA 6010B	5		5 U	5 U	5 U	5 U	5 U	6 U	5 U		5 U	6 U	5 U	6 U	7 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U
Silver	EPA 6010B	0.3		0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.7		1.2	0.4 U	0.3 U	0.4 U	0.4 U	0.3 U	0.3 U	0.4 U	7.8	0.3 U	0.3 U	0.3 U
Thallium	EPA 200.8	0.2		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	1		1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	EPA 6010B	0.3		40.4	40.8	40.6	46.2 J	39.2	36.1	60		64.9	48.2	49.2	44.3	74.2	38.7	30.7	23.7	36.9	38.4	40.3	42.3
Zinc	EPA 6010B	1		39	96	41	106 J	90	21	64		64	29	41	32	65	27	28	14	38	58	21	46
Cyanide	EPA 335.2	0.05												0.052 U	0.062 U	0.081	0.051 U	0.092	0.059 U				0.055 U
Total Solids (%)	EPA 160.3	0.01												93.6	80.5	61.5	92.8	90.4	78.8				90.3
Petroleum Hydrocarbons (mg/kg)																							
TPH - Gasoline Range	NWTPH-Gx	3.7															5.2 U	5.6 U	6.1 U				
TPH - Diesel Range	NWTPH-Dx-Cleaned	5															5.3 U	8.1 J	6.2 U				
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10															11 U	16 U	12 U				

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location: Depth: Sample ID: Date:	PL2-507B 0 - 1 2-31-PL2-507B-01-S-0 Dilution 8/25/2009	PL2-507B 4 - 5 2-31-PL2-507B-04-S-0 8/25/2009	PL2-507B 9 - 10 2-31-PL2-507B-09-S-0 8/25/2009	PL2-507C 0 - 1 2-31-PL2-507C-01-S-0 8/24/2009	PL2-507C 4 - 5 2-31-PL2-507C-04-S-0 8/24/2009	PL2-507C 9 - 10 2-31-PL2-507C-09-S-0 8/24/2009
VOCs (µg/kg)									
Chloromethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Bromomethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Vinyl Chloride	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Chloroethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Methylene Chloride	EPA 8260C	2			3.5 U	2.9 U	1.9 U	2.8 U	3.9 U
Acetone	EPA 8260C	5			20 U	22 U	26 U	37 U	43 U
Carbon Disulfide	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,1-Dichloroethene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,1-Dichloroethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
trans-1,2-Dichloroethene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
cis-1,2-Dichloroethene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Chloroform	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,2-Dichloroethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
2-Butanone	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
1,1,1-Trichloroethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Carbon Tetrachloride	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Vinyl Acetate	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UR
Bromodichloromethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,2-Dichloropropane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
cis-1,3-Dichloropropene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Trichloroethene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Dibromochloromethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,1,2-Trichloroethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Benzene	EPA 8260C	1			1 U	1 U	0.8 U	1.4	1.4 UJ
trans-1,3-Dichloropropene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
2-Chloroethylvinylether	EPA 8260C	5			5 UR	4.9 UR	4.2 UR	5 UR	6.9 UR
Bromoform	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Methyl isobutyl ketone	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
2-Hexanone	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
Tetrachloroethene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,1,2,2-Tetrachloroethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Toluene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Chlorobenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Ethylbenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Styrene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Trichlorofluoromethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,1,2-Trichlorotrifluoroethane	EPA 8260C	2			2 U	2 U	1.7 U	2 U	2.8 UJ
m,p-Xylene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
o-Xylene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,2-Dichlorobenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,3-Dichlorobenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,4-Dichlorobenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Acrolein	EPA 8260C	50			50 U	49 U	42 U	50 U	69 UJ
Methyl Iodide	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Bromoethane	EPA 8260C	2			2 U	2 U	1.7 U	2 U	2.8 UJ
Acrylonitrile	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
1,1-Dichloropropene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Dibromomethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,1,1,2-Tetrachloroethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,2-Dibromo-3-chloropropane	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
1,2,3-Trichloropropane	EPA 8260C	2			2 U	2 U	1.7 U	2 U	2.8 UJ
trans-1,4-Dichloro-2-butene	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
1,3,5-Trimethylbenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,2,4-Trimethylbenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Hexachlorobutadiene	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
Ethylene Dibromide	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Bromochloromethane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
2,2-Dichloropropane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,3-Dichloropropane	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Isopropylbenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
n-Propylbenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
Bromobenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
2-Chlorotoluene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
4-Chlorotoluene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
tert-Butylbenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
sec-Butylbenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
4-Isopropyltoluene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
n-Butylbenzene	EPA 8260C	1			1 U	1 U	0.8 U	1 U	1.4 UJ
1,2,4-Trichlorobenzene	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
Naphthalene	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ
1,2,3-Trichlorobenzene	EPA 8260C	5			5 U	4.9 U	4.2 U	5 U	6.9 UJ

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location: Depth: Sample ID: Date:	PL2-507B 0 - 1 2-31-PL2-507B-01-S-0 Dilution 8/25/2009	PL2-507B 4 - 5 2-31-PL2-507B-04-S-0 8/25/2009	PL2-507B 9 - 10 2-31-PL2-507B-09-S-0 8/25/2009	PL2-507C 0 - 1 2-31-PL2-507C-01-S-0 8/24/2009	PL2-507C 4 - 5 2-31-PL2-507C-04-S-0 8/24/2009	PL2-507C 9 - 10 2-31-PL2-507C-09-S-0 8/24/2009
SVOCs (µg/kg)									
Phenol	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
bis(2-Chloroethyl)ether	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2-Chlorophenol	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
1,3-Dichlorobenzene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
1,4-Dichlorobenzene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Benzyl Alcohol	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
1,2-Dichlorobenzene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2-Methylphenol	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2,2'-Oxybis(1-Chloropropane)	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
4-Methylphenol	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
N-Nitroso-Di-N-Propylamine	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
Hexachloroethane	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Nitrobenzene	EPA 8270D	67		360 UJ	59 UJ	64 UJ	60 UJ	60 UJ	64 UJ
Isophorone	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2-Nitrophenol	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2,4-Dimethylphenol	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Benzoic Acid	EPA 8270D	670		3600 UR	590 UR	640 UR	600 UR	600 UR	640 UR
bis(2-Chloroethoxy)methane	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2,4-Dichlorophenol	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
1,2,4-Trichlorobenzene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Naphthalene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
4-Chloroaniline	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
Hexachlorobutadiene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
4-Chloro-3-methylphenol	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
2-Methylnaphthalene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Hexachlorocyclopentadiene	EPA 8270D	330		1800 UR	290 UR	320 UR	300 UR	300 UR	320 UR
2,4,6-Trichlorophenol	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
2,4,5-Trichlorophenol	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
2-Chloronaphthalene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2-Nitroaniline	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
Dimethylphthalate	EPA 8270D	67		9900	59 U	64 U	60 U	60 U	64 U
Acenaphthylene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
3-Nitroaniline	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
Acenaphthene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2,4-Dinitrophenol	EPA 8270D	670		3600 UR	590 UR	640 UR	600 UR	600 UR	640 UR
4-Nitrophenol	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
Dibenzofuran	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
2,6-Dinitrotoluene	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
2,4-Dinitrotoluene	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
Diethylphthalate	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
4-Chlorophenyl-phenylether	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Fluorene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
4-Nitroaniline	EPA 8270D	330		1800 UJ	290 U	320 U	300 U	300 U	320 U
4,6-Dinitro-2-Methylphenol	EPA 8270D	670		3600 UR	590 UR	640 UR	600 UR	600 UR	640 UR
N-Nitrosodiphenylamine	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
4-Bromophenyl-phenylether	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Hexachlorobenzene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Pentachlorophenol	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
Phenanthrene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Carbazole	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Anthracene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Di-n-Butylphthalate	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Fluoranthene	EPA 8270D	67		360 U	59 U	64 U	60 U	81	64 U
Pyrene	EPA 8270D	67		360 U	59 U	64 U	60 U	68	64 U
Butylbenzylphthalate	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
3,3'-Dichlorobenzidine	EPA 8270D	330		1800 U	290 U	320 U	300 U	300 U	320 U
Benzo(a)anthracene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
bis(2-Ethylhexyl)phthalate	EPA 8270D	67		360 U	59 U	64 U	60 U	69	64 U
Chrysene	EPA 8270D	67		360 U	59 U	64 U	60 U	66	64 U
Di-n-octylphthalate	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Benzo(b)fluoranthene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Benzo(k)fluoranthene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Benzo(a)pyrene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Indeno(1,2,3-cd)pyrene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Dibenz(a,h)anthracene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Benzo(g,h,i)perylene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
1-Methylnaphthalene	EPA 8270D	67		360 U	59 U	64 U	60 U	60 U	64 U
Naphthalene	EPA 8270DSIM	5			4.8 U	4.8 U	5 U	4.8 U	4.6 U
2-Methylnaphthalene	EPA 8270DSIM	5			4.8 U	4.8 U	5 U	4.8 U	4.6 U
1-Methylnaphthalene	EPA 8270DSIM	5			4.8 U	4.8 U	5 U	4.8 U	4.6 U
Acenaphthylene	EPA 8270DSIM	5			4.8 U	4.8 U	24	7.3	4.6 U
Acenaphthene	EPA 8270DSIM	5			4.8 U	4.8 U	5 U	4.8 U	4.6 U
Fluorene	EPA 8270DSIM	5			4.8 U	4.8 U	5 U	4.8 U	4.6 U
Phenanthrene	EPA 8270DSIM	5			4.8 U	8.2	50	15	4.6 U
Anthracene	EPA 8270DSIM	5			4.8 U	4.8 U	46	14	4.6 U
Fluoranthene	EPA 8270DSIM	5			11	4.8 U	180	58	4.6 U
Pyrene	EPA 8270DSIM	5			11	4.8 U	160	60	4.6 U
Benzo(a)anthracene	EPA 8270DSIM	5			4.8	4.8 U	170	28	4.6 U
Chrysene	EPA 8270DSIM	5			7.8	4.8 U	170	40	4.6 U
Benzo(b)fluoranthene	EPA 8270DSIM	5			7.8	4.8 U	190	32	4.6 U
Benzo(k)fluoranthene	EPA 8270DSIM	5			5.8	4.8 U	150	33	4.6 U
Benzo(a)pyrene	EPA 8270DSIM	5			6.3	4.8 U	180	32	4.6 U
Indeno(1,2,3-cd)pyrene	EPA 8270DSIM	5			5.3	4.8 U	160	32	4.6 U
Dibenz(a,h)anthracene	EPA 8270DSIM	5			4.8 U	4.8 U	39	8.2	4.6 U
Benzo(g,h,i)perylene	EPA 8270DSIM	5			6.8	4.8 U	220	61	4.6 U
Dibenzofuran	EPA 8270DSIM	5			4.8 U	4.8 U	5 U	4.8 U	4.6 U

Table 5-2b: Soil Analysis Results

Constituent	Analytical Method	Laboratory RL	Location: Depth: Sample ID: Date:	PL2-507B 0 - 1 2-31-PL2-507B-01-S-0 Dilution 8/25/2009	PL2-507B 4 - 5 2-31-PL2-507B-04-S-0 8/25/2009	PL2-507B 9 - 10 2-31-PL2-507B-09-S-0 8/25/2009	PL2-507C 0 - 1 2-31-PL2-507C-01-S-0 8/24/2009	PL2-507C 4 - 5 2-31-PL2-507C-04-S-0 8/24/2009	PL2-507C 9 - 10 2-31-PL2-507C-09-S-0 8/24/2009
PCBs (µg/kg)									
Aroclor 1016	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Aroclor 1242	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Aroclor 1248	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Aroclor 1254	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Aroclor 1260	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Aroclor 1221	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Aroclor 1232	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Aroclor 1262	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Aroclor 1268	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Total PCB	EPA 8082	33			33 U	32 U	30 U	33 U	32 U
Inorganics (mg/kg)									
Aluminum	EPA 6010B	5			7240	9850	13000	10400	12000
Antimony	EPA 6010B	5			5 UJ	6 UJ	5 UJ	5 UJ	5 UJ
Arsenic	EPA 6010B	5			5 U	6 U	5 U	5 U	5 U
Barium	EPA 6010B	0.3			20.1	27.9	43.3	47.1	41.9
Beryllium	EPA 6010B	0.1			0.1 U	0.1 U	0.2	0.2	0.2
Cadmium	EPA 6010B	0.2			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	EPA 6010B	5			4340	4950	7570	6320	7090
Chromium	EPA 6010B	0.5			11.9	12.4	22.4	17.9	21.8
Cobalt	EPA 6010B	0.3			3.7	4.1	7.8	5.7	7
Copper	EPA 6010B	0.2			10.3 J	11.4 J	52 J	23.8 J	23.2 J
Iron	EPA 6010B	5			9860	8940	20100	15300	16600
Lead	EPA 6010B	2			4	2 U	12	25	16
Magnesium	EPA 6010B	5			1680	1910	5530	3550	3680
Manganese	EPA 6010B	0.1			106	79.3	286	192	256
Mercury	EPA 7471A	0.02			0.02 U	0.02 U	0.03	0.04	0.04
Molybdenum	EPA 6010B	0.5			0.5 U	0.6 U	0.5 U	0.5 U	0.5 U
Nickel	EPA 6010B	1			7	9	18	16	20
Selenium	EPA 6010B	5			5 U	6 U	5 U	5 U	5 U
Silver	EPA 6010B	0.3			0.3 U	0.4 U	0.3 U	0.3 U	0.3 U
Thallium	EPA 200.8	0.2			0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tin	EPA 6010B	1			1 U	1 U	1 UJ	1 U	1 U
Vanadium	EPA 6010B	0.3			37.4	39.4	56.5	42.1	49.7
Zinc	EPA 6010B	1			27	24	49	44	43
Cyanide	EPA 335.2	0.05			0.051 U	0.057 U	0.051 U	0.05 U	0.064
Total Solids (%)	EPA 160.3	0.01			91.8	77.7	91.4	92.8	88.9
Petroleum Hydrocarbons (mg/kg)									
TPH - Gasoline Range	NWTPH-Gx	3.7							
TPH - Diesel Range	NWTPH-Dx-Cleaned	5							
TPH - Motor Oil Range	NWTPH-Dx-Cleaned	10							