REMEDIAL INVESTIGATION AND FEASIBILITY STUDY

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

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10/24/2011

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ACRONYMS AND ABBREVIATIONS

AMEC	AMEC Geomatrix, Inc.
B(a)P	benzo(a)pyrene
bgs	below ground surface
BNSF	BNSF Railway Company
BTEX	benzene, toluene, ethylbenzene, and xylenes
CAO	Cleanup Action Objective
CFR	Code of Federal Regulations
City	City of Seattle
CLARC	Cleanup Levels and Risk Calculation
COC	constituent of concern
COPC	constituent of potential concern
cPAHs	carcinogenic polycyclic aromatic hydrocarbons
CPOC	conditional point of compliance
CSM	conceptual site model
DCA	disproportionate cost analysis
DO	dissolved oxygen
DPVE	dual-phase vacuum extraction
Ecology	Washington State Department of Ecology
EIM	Environmental Information Management
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
FS	Feasibility Study
ISCO	in situ chemical oxidation
Kelly-Moore	Kelly-Moore Paint Company, Inc.
µg/L	micrograms per liter
µS/cm	microsiemens per centimeter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MTCA	Model Toxics Control Act
mV	millivolt
NTU	nephelometric turbidity unit
ORP	oxidation-reduction potential
PAH	polycyclic aromatic hydrocarbon
PCBs	polychlorinated biphenyls
POC	point of compliance
PQL	practical quantitation limit
PSL	preliminary screening level
redox	oxidation-reduction
RI	Remedial Investigation

ACRONYMS AND ABBREVIATIONS
(Continued)

RI/FS	Remedial Investigation and Feasibility Study
SEACOR	Science and Engineering Analysis Corporation
site	Former Kelly-Moore Manufacturing Facility at 5400–5580 Airport Way South, Seattle, Washington
SVE	soil vapor extraction
SVOC	semivolatile organic compound
TCE	trichloroethene
TEQ	toxicity equivalency factor
TPH	total petroleum hydrocarbons
TPH-D	diesel-range petroleum hydrocarbons
TPH-G	gasoline-range petroleum hydrocarbons
TPH-lube oil	lube-oil-range petroleum hydrocarbons
TSCA	Toxic Substances Control Act
UST	underground storage tank
VCP	Voluntary Cleanup Program
VOC	volatile organic compound
WAC	Washington Administrative Code

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
Former Kelly-Moore Manufacturing Facility
Seattle Washington

1.0 INTRODUCTION

AMEC Geomatrix, Inc. (AMEC), has prepared this Remedial Investigation and Feasibility Study (RI/FS) on behalf of Kelly-Moore Paint Company, Inc. (Kelly-Moore), for the former Kelly-Moore manufacturing facility at 5400–5580 Airport Way South, in Seattle, Washington (the site). Kelly-Moore's objective is to clean up the site in compliance with requirements established by the Washington State Department of Ecology (Ecology) under the state Model Toxics Control Act (MTCA) via the Washington State Voluntary Cleanup Program (VCP) and attain No Further Action status for the site.

Project information:

- **Site name**: Kelly-Moore Paint Company, Seattle, Washington
- **VCP Number:** NW2305
- **Project Consultant:**

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- **Current Owner/Operator**: Kelly-Moore Paint Company, Inc.

The site has been used for a variety of industrial and related purposes since the early 1900s. Most recently, the site was occupied by a Kelly-Moore paint manufacturing plant that blended paints and pigments. Production at the facility has been discontinued, and Kelly-Moore is preparing the property for lease or sale as light manufacturing or warehousing space.

1.1 PURPOSE

The purpose of an RI/FS is to collect, develop, and evaluate information related to a site that is sufficient to select a cleanup action for the site (Washington Administrative Code, Section 173-340-350[1] [WAC 173-340-350{1}]). The RI/FS consists of the remedial investigation to collect data to further characterize the nature and extent of contamination on the site (WAC 173-340-350[7][a]) and

the feasibility study to develop and evaluate cleanup alternatives for the selection of an appropriate cleanup action for the site (WAC 173-340-350[8][a]).

1.2 REPORT ORGANIZATION

The RI portion of this report is organized as follows:

- Section 1 describes the purpose of the RI.
- Section 2 describes the site in the context of its location.
- Section 3 summarizes previous investigations and remedial actions conducted at the site.
- Section 4 describes the historical use and development of the property, including potential sources of contamination.
- Section 5 describes the natural conditions in the vicinity of the site, including geology, surface water, groundwater, and potential receptors.
- Section 6 describes the extent of contamination at the site.
- Section 7 summarizes the site conceptual model, combining the hydrogeologic conceptual model with contaminant pathways and analysis of potential receptors.
- Section 8 describes the applicable cleanup standard for the site.
- Section 9 summarizes the areas of the site requiring cleanup based on the applicable cleanup standards and the extent of contamination.

The FS portion of this report is organized as follows:

- Section 10 describes the purpose of the FS and the objectives of the cleanup action.
- Section 11 describes the screening of applicable remediation technologies.
- Section 12 discusses the development of cleanup action alternatives for the site.
- Section 13 presents the evaluation of cleanup action alternatives for the site, including a description of the criteria used for evaluation and selection of the preferred cleanup actions for the site.
- Section 14 discusses the conclusions of the RI/FS.
- Section 15 describes the limitations on the use of this report.
- Section 16 lists the references used in preparing this report.

2.0 SITE IDENTIFICATION AND LOCATION

The Kelly-Moore property is located on the east side of Airport Way South at the intersection of South Lucile Street and Airport Way South in the Georgetown neighborhood of Seattle, Washington (Figure 2-1), and covers approximately 2.7 acres (Figure 2-2). A complete legal description of the property is provided in Appendix A. The property is bordered on the north by BNSF Railway Company (BNSF) tracks and the Olympic Foundry, on the west by Airport Way South and the Airport Way South overpass, on the east by BNSF tracks and a steep hillside, and on the south by an Interstate 5 connector ramp overpass (Figure 2-2). The Duwamish Waterway lies about 5,000 feet west of the site.

Underground storage tanks (USTs) were previously used to store paint manufacturing components at the site, and results of soil and groundwater investigation indicate that some of those USTs and associated piping historically leaked. Specifically, six USTs used to store paint manufacturing components were removed from the site in 1985, and an additional 14 paint product USTs were removed in 1997–1998. When the USTs were removed in 1997–1998, darker colored soil, indicating a potential release, was observed near the perimeter of the excavation. Sampling of soil at the base and perimeter of the excavation identified several volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH) (as mineral spirits) at concentrations greater than MTCA Method A cleanup levels. In 2008, a building sample showed slightly elevated polychlorinated biphenyl (PCB) concentrations in the concrete flooring. This led to an investigation and partial cleanup of PCBs within former manufacturing buildings at the site (Buildings 6, 7, and 8). A Phase II Environmental Site Assessment (ESA) completed in 2009 identified contaminant concentrations in soil and groundwater on the property that were greater than MTCA Method A cleanup levels, primarily TPH and VOCs. Based on these findings, Kelly-Moore proceeded to enter the VCP in June 2010 and begin final characterization of the site in preparation for cleanup, with a goal of attaining No Further Action for the site.

Kelly-Moore no longer conducts any operations on the property. Kelly-Moore owns the northern parcel, leasing a portion of this parcel to a garden design firm that mainly uses the property for storage of office decorations such as holiday ornaments, artificial wreaths, trees, and various plant containers. Kelly-Moore sold the southern parcel of the site in 2011, but continues to conduct environmental investigation and cleanup activity at the parcel pursuant to an agreement with the purchaser.

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3.0 ENVIRONMENTAL INVESTIGATION/INTERIM ACTION SUMMARY

Environmental investigations and prior remedial actions have been performed at the site (Table 3-1). Work performed during these investigations is briefly summarized in this section, including a description of constituents of concern (COCs) evaluated during these investigations and a description of work performed for each environmental medium (soil, surface water, groundwater, sediment, air/soil vapor, and natural resources/wildlife). More detailed descriptions of activities conducted during these investigations and actions are available in the references reports below. Boring logs are provided in Appendix B. Construction details for existing groundwater monitoring wells at the site are provided in Table 3-2, and survey data for these wells are provided in Table 3-3.

The main stages of investigation and action at the site have included the following:

- **1994 and 1997 Phase I ESAs:** Two Phase I ESAs were conducted by SEACOR International Incorporated (SEACOR) in 1994 and 1997 (SEACOR 1994, 1997a, 1997b).
- **1997 UST Removal:** In 1997, SEACOR conducted a UST tank removal and installation. SEACOR described the results of the project, as well as associated soil sampling conducted during the project (SEACOR, 1998).
- **1997:** A vapor barrier was installed as part of the construction of the southern warehouse building. Details of the installation are unknown, but photographs are provided in Appendix C.
- **2009 UST Decommissioning:** In October 2009, AMEC oversaw the decommissioning and removal of nine USTs and appurtenant piping and the removal of other historical piping associated with former USTs at the site. AMEC described the results of the project, as well as associated soil and groundwater sampling conducted during the project (AMEC, 2010b).
- **2009–2010 Phase II ESAs:** A limited Phase II ESA was conducted by AMEC in 2009 to provide a preliminary evaluation of soil and groundwater conditions at the site and identify the type and magnitude of potential environmental releases, in light of historical property uses and limited prior soil sampling (AMEC 2009b, 2009c). A second stage of this work was completed in late 2009 to further investigate the extent of selected constituents detected in groundwater at the north portion of the property in Building 3 via the installation of additional borings (AMEC, 2010d). A third stage of this work was conducted in 2010 to evaluate conditions underneath the southern warehouse building, as well as constituent concentrations in indoor and outdoor air, prior to the sale of the parcel (AMEC, 2010e).
- **Facility PCB Investigation and Cleanup:** Beginning in 2008, AMEC assisted Kelly-Moore in evaluating and remediating PCBs identified within buildings at the site (AMEC, 2010a), including an investigation of PCB concentrations in buildings, concrete flooring, and soil; scarification of concrete flooring in Buildings 6 and 7; and installation of temporary institutional controls to seal off Building 8 and prevent human exposure to PCBs. PCBs have not been identified in groundwater samples or exterior soil samples taken at the Site.

- **2011 Data Gaps Investigation:** In 2011, AMEC conducted additional soil and groundwater sampling and installed five monitoring wells at the site to complete the RI and provide sufficient data to begin cleanup planning. These results are reported as part of this RI.

This section describes the previous work performed and the general findings. Data collected during the previous investigations summarized in this section were compared to final cleanup levels and used to establish the nature and extent of contamination in Section 6.

3.1 CONSTITUENTS OF POTENTIAL CONCERN

Constituents of potential concern (COPCs) were selected for analysis during previous investigations based on historical use of the site. A complete list of hazardous substances that have been found at the site during previous investigations is provided in Table 3-4.

Several historical findings influenced the selection of COPCs for analysis in the investigations conducted on site.

- USTs containing diesel, heating oil, and unidentified raw materials associated with paint manufacturing have historically been present on site (SEACOR, 1994, 1997b; AMEC, 2010b. Products observed in decommissioned product tanks on the site varied from a thin, colorless liquid to a dark, honey-like, nonflowing resin (AMEC, 2010b). Piping associated with historical USTs was found on site and was observed to be leaking product during the UST removal (AMEC, 2010b). Stained soil has been observed on the site around formerly present USTs during decommissioning and removal activities (SEACOR, 1998; AMEC, 2010b). The location of former USTs is indicated in Figure 2-2.

- A 1988 SCS Engineers report of an Environmental Contamination Assessment, which was not available for review, was reported by SEACOR (1994) to focus on the southern building at the site and to indicate that the property had formerly been used as an auto wrecking yard prior to Kelly-Moore ownership.

- In February 1994, 250 gallons of toluene reportedly leaked to soil around one of the USTs at the site. Soil borings were completed near the site of the release, and soil samples collected from a depth of 3 to 6 feet showed toluene concentrations above the screening levels for the site (SEACOR, 1994, 1997b; King County Department of Health, 1998).

- PCBs were detected in the concrete flooring of Buildings 6, 7 and 8 during an investigation of these areas via wipe samples, concrete chips, and sediment (AMEC, 2010a), indicating are a COPC at the site. The scope of PCB sampling within the buildings is shown in Figure 3-1. PCBs have not been identified in groundwater at the site or in exterior soil samples.

The constituents analyzed for each sample collected at the site are indicated in Table 3-5. Most soil samples were analyzed for metals, gasoline-range petroleum hydrocarbons (TPH-G), lube oil and diesel-range petroleum hydrocarbons (TPH-D), VOCs, and semivolatile organic compounds (SVOCs).

Selected soil samples were collected for the analysis of more limited suites of constituents, normally during focused investigations for the presence of a particular COPC or set of COPCs in a given area of the site. About half the groundwater samples were analyzed for metals, TPH-G, TPH-D, and, VOCs, SVOCs, and PCBs. Most remaining samples were analyzed for a more limited suite including metals, TPH-G, VOCs, and SVOCs during more focused investigations in areas where the presence of TPH-D, and/or PCBs was not expected.

3.2 SOIL

Site soils were investigated during several historical investigations (SEACOR, 1997a, 1997b; King County Department of Health, 1998). Most historical samples were collected in areas from which the soil was later excavated and removed during a UST decommissioning in 2009 (AMEC, 2010b). In addition, soil samples were collected during several investigations between 2009 and 2011 (AMEC, 2009a, 2009b, 2010b, 2010c, this RI). Soil samples were analyzed for COPCs as shown in Table 3-5, which also shows the depth of each sample.

The locations of soil sampling conducted at the site during all previous investigations are shown in Figure 3-2; only samples from locations not confirmed to have been excavated and removed are shown. The precise location of historical samples was not surveyed during historical investigations; therefore, Figure 3-2 shows the approximate location of these samples, based on historical records and maps. Because the precise locations of these samples are unknown, it is possible that some soil from the areas of pre-AMEC investigations may have been removed during subsequent investigations/cleanups.

The soil samples include confirmation samples collected during UST decommissioning and removal activities (SEACOR, 1994, 1997b, 1998; AMEC, 2010b) and soil samples collected from borings advanced on site (AMEC, 2009b, 2010c, 2010d). In all cases, soil samples were collected only above the observed water table at the time of collection. In most borings, the water table was encountered at depths of approximately 5 to 6 feet, except in borings in the southern warehouse, where depth to water was as deep as 11.5 feet below ground surface (bgs) due to the apparent buildup of the surface using artificial fill at some point in the past.

Soil samples collected during investigations of the site have been found to contain concentrations of hazardous substances above MTCA Method A cleanup levels (used for preliminary screening of site data). Summary soil analytical results for samples collected at the site from 2005 to 2011 are provided in Tables 3-6 to 3-10. The full site data set is provided in Appendix D and has been uploaded to Ecology's Environmental Information Management (EIM) database, as required under the VCP. A detailed discussion of these analytical results and comparisons to the final cleanup levels for the site are provided in Section 6, where these results are used to delineate the nature and extent of

soil contamination at the site. Data from older samples were used to qualitatively evaluate the site but were not used for quantitative assessment in this RI/FS due to a lack of data quality information for these samples.

3.3 GROUNDWATER

Groundwater samples were collected during historical investigations (SEACOR, 1997a, 1997b; King County Department of Health, 1998) and during several investigations conducted since 2009 (AMEC, 2009b, 2010b, 2010c, this RI). Groundwater sample locations from these investigations are provided on Figure 3-3. Groundwater samples were analyzed for COPCs as shown in Table 3-5, which also provides the depth of each groundwater sample.

The following investigations of groundwater conditions have been conducted.

- During a 1985 UST removal, encountered groundwater was discharged to the City of Seattle (City) sewer system and sampled by Seattle Metro. Elevated concentrations of metals were detected (SEACOR, 1994, 1997b); however, subsequent groundwater sampling on behalf of the U.S. Environmental Protection Agency (EPA) did not find contributions to groundwater contamination (King County Department of Health, 1998).
- During the decommissioning and removal of on-site USTs conducted by AMEC in 2009, groundwater samples were collected from water present within the excavations (AMEC, 2010b).
- Groundwater samples were collected and analyzed from eight direct-push borings advanced throughout the site during the 2009 limited Phase II ESA conducted by AMEC (2009b) and then during two supplemental Phase II sampling efforts (AMEC, 2009b, 2009c; 2010d; 2010e). Samples were collected from five additional borings in 2009 to investigate conditions on the north end of the property, and from four borings in 2010 to investigate conditions underneath the southern warehouse building. These samples (from borings KM-17 through KM-29) were analyzed for a specific suite of COPCs, based on results of former investigations (Table 3-5).
- Groundwater samples were collected from 7 direct-push borings and five new monitoring wells during the 2011 Data Gaps Investigation (results reported in this RI).

Groundwater samples collected during previous investigations, as well as during sampling as part of this RI, have been found to contain concentrations of hazardous substances above MTCA Method A cleanup levels (used for preliminary screening of site data). Summary groundwater analytical results for samples collected at the site are provided in Tables 3-11 to 3-15. The full site data set is provided in Appendix D and has been uploaded to Ecology's EIM database, as required under the VCP.
A detailed discussion of these analytical results and comparisons to the final cleanup levels for the site are provided in Section 6, where these results are used to delineate the nature and extent of groundwater contamination at the site. Data from older samples were used to qualitatively evaluate

the site but were not used for quantitative assessment in this RI/FS due to a lack of data quality information for these samples.

3.4 AIR/SOIL VAPOR

Air sampling was conducted inside the southern warehouse in September 2010. The purpose of the air sampling was to determine whether there was any indication of airborne COPCs inside the building. Potential emissions could include incidental historical spills of coating products and solvents to indoor concrete floors during warehousing operations and emissions from groundwater to the building interior due to contamination originating on- or off-site.

Air samples were collected for 8 hours during daytime hours on September 8, 2010, using Summa canisters, while the facility heating, ventilation, and air conditioning system was operating at normal settings. Two samples were collected from approximately 4 feet elevation in two representative areas within the building for analysis of Stoddard solvent (also referred to as mineral spirits) and VOCs. One sample was collected from outside the southern portion of the building for analysis of VOCs. Very sensitive sampling and analytical methods from the EPA were used to ensure a detection limit that would identify a potential human health hazard if it existed.

The results on the day of sampling do not support a hypothesis that there is a potential indoor ambient air quality problem, as the measured concentrations were mostly undetectable despite the sensitive methods, and far less than occupational exposure limits. The levels of VOCs indoors were comparable to the levels outside in the urban ambient air in this industrial area.

3.5 INTERIM ACTIONS

A number of interim remedial actions that have been conducted at the site are summarized in this section. Areas of former tanks and excavations, where known, are shown on Figure 2-2.

SEACOR reported that several phases of UST decommissioning and removal were performed at the site prior to 1997. Six USTs used to store paint manufacturing components were decommissioned and removed from the site in 1985. In the southern portion of the site, a diesel UST was removed around 1987, and a Bunker C heating oil UST was removed around 1989. A small (300-gallon) UST was found under the northern building complex during a demolition project in 1997 and was removed (SEACOR, 1994, 1997b).

In 1997, SEACOR conducted a UST tank removal and installation. A total of 14 USTs used to store paint products were removed. Tanks removed from the site included several tanks that had been replaced during the 1985 UST removal. SEACOR (1998) noted that when the tanks were removed, soil around the perimeter of the excavation was darker than the soil surrounding the USTs and

emitted a hydrocarbon-like odor, indicating a potential release. However, because of the lighter soil surrounding the tanks and the good condition of the tanks, SEACOR concluded that the soil staining was likely a result of leaks from the USTs previously removed from these areas in the mid-1980s. SEACOR conducted soil sampling at the base and perimeter of the excavations. Several constituents (VOCs and TPH as mineral spirits) were detected at elevated concentrations. An additional seven new USTs were installed by SEACOR in the open paved area between the northern building complex and the southern building, leaving a total of nine USTs on the site. The purpose of these new tanks was to store paint products.

In October 2009, AMEC oversaw the decommissioning and removal of the nine USTs and appurtenant piping installed in 1997, and the removal of other historical piping associated with former USTs at the site (AMEC, 2010b). During the UST decommissioning, additional investigations and excavation were conducted where feasible to address issues identified during the field work. The scope of work for decommissioning the USTs included decommissioning seven 8,000-gallon product USTs and two 7,000-gallon containment USTs and removing appurtenant piping and older underground piping discovered during the project. In addition, overexcavation of contaminated soil was performed in several areas, and soil and groundwater samples were collected and analyzed from the sidewall and/or bottom of the excavation at the final extent of the excavation.

Seven of the product storage tanks (Tanks 3 through 9) were found to contain a variety of products to depths of approximately 8 to 12 inches. The remnant products in the tanks were removed. These products varied from a thin, colorless liquid to a dark, honey-like, nonflowing resin. The two containment tanks (Tanks 1 and 2) were reportedly used to contain fire suppression water and spill overflow from the manufacturing facility; however, facility employees indicated that no releases from these tanks had occurred, and water observed in the tanks and tested during the decommissioning was considered likely to be stormwater (AMEC, 2010b). All tanks were observed to be undamaged, with no pitting, staining, or holes. However, several sets of older piping were encountered in the UST excavations; these pipes were not associated with the USTs removed during the 2009 UST decommissioning and were presumably related to USTs removed during prior UST removals. Wherever possible, older piping was removed, including a 65-foot section that was located beneath Building 7. Soil was excavated to a depth of 9.5 to 10.5 feet bgs in most portions of the excavation.

Starting in 2008 and continuing through 2010, Kelly-Moore performed a PCB cleanup within the interior of certain on-Site buildings consistent with the Self Implementing Cleanup Standards described in the Toxic Substances Control Act (TSCA), which include submitting work plans and all cleanup reports to the EPA (AMEC, 2010a). Several areas of concrete flooring in Building 6 and Building 7 were scarified to remove the PCBs. Analytical results of samples from the scarified concrete surfaces in Buildings 6 and 7 showed PCB concentrations less than 1 milligram per kilogram

(mg/kg) in the remaining concrete flooring material. Areas of flooring and scale pits in Building 8 showed PCB concentrations greater than 1 mg/kg, the bulk PCB remediation waste cleanup standard for high-occupancy areas (Code of Federal Regulations, Title 40, Part 761.61 [40 CFR 761.61]). As a result of these findings, institutional controls were established as an interim action for Building 8. Building 8 was sealed off, and signage was installed to indicate that building materials remain present with PCBs above regulatory limits. The building will not be occupied for the immediate future until long-term cleanup actions are determined.

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4.0 PROPERTY DEVELOPMENT AND HISTORY

4.1 DEVELOPMENT AND USE HISTORY

The site has been used for industrial purposes since the early 1900s. The southern portion of the site was used as an auto garage, wrecking yard, and/or service station from the 1920s through the 1940s and as a machinist union hall until the 1990s (SEACOR, 1994, 1997b). The northern portion of the site was used by Pacific Coast Coal Company in the 1940s, and by Preservative Paints Factory, along with Asphaltum Products Roofs and Mineral Paints dating back to 1929 (SEACOR, 1994, 1997b). The Sanborn Fire Insurance maps reviewed during the previous Phase I ESAs (SEACOR, 1994, 1997b) also indicate industrial use of the site and the presence of USTs for the period between the 1920s and 1950. Over the years, a series of USTs were installed and periodically replaced at the facility, as described in Section 3. All USTs documented at the site were located in the central area of the site, between the southern warehouse and the northern building conglomeration.

The site is currently occupied by a paint manufacturing plant that discontinued manufacturing activities in 2008. The site currently encompasses a building complex in the northern portion and the central area of the site, a large warehouse building, and a mostly paved parking lot surrounded by landscaping in the southern portion of the site. The northern and southern portions of the site are separate property parcels, as shown on Figure 2-2, and the southern parcel has been sold by Kelly-Moore. The building complex in the northern portion is a large conglomeration of buildings of various ages that have been present on the site in some form since the 1920s (SEACOR, 1994, 1997a, 1997b). Figure 2-2 shows the configuration of the northern and central building complexes. Kelly-Moore used the buildings for the following purposes until manufacturing ceased in 2008:

- Building 1 – Used for warehousing but reportedly was formerly used as a tooling area.
- Building 2 – Used for warehousing.
- Building 3 – Used for warehousing, but a maintenance shop was reportedly located here in the past.
- Building 4 – Used for warehousing.
- Building 5 – Used for warehousing; a door opens to the east side of the site and an outdoor dumpster. An early map provided in earlier Phase I ESAs (SEACOR, 1994, 1997b) indicates that this area was formerly used for outdoor storage and was not enclosed as part of the building conglomeration until after 1985.
- Building 5A – Used for product storage tanks; a long strip floor drain in the building is routed into a 6-foot-deep sump.
- Building 6 – Two-story building used for paint manufacturing.

- Building 7 – Used for paint manufacturing. A former maintenance shop was reportedly located here in the past. A small electrical room (confined space) located upstairs in this building is accessible only by ladder.
- Building 8 – Used for paint manufacturing. A smaller former retail area located on the west side of the building also includes a second story that was used for manufacturing.
- Building 9 – Used for warehousing and includes office space and restrooms on the west side of the building.
- Building 10 – Used for warehousing. This building does not have an exterior wall on the east side and is open to the outdoor loading dock area on this side.
- Building 12 – Used for office space.

The large warehouse building south of the main building clusters (Figure 2-2) was constructed in 1997, which is a much more recent development than the northern buildings. According to Kelly-Moore, a visqueen vapor barrier was installed beneath the full footprint of the building. An open, paved parking lot is located south of this southern building.

4.2 CURRENT USE AND FACILITIES

The physical features of the site layout are shown in Figure 2-2. All manufacturing equipment and products have been removed from the buildings. Some fixtures, including strip drains, scale pits, and sumps, remain in the buildings. Elevated loading docks exist in three areas:

- Between Buildings 8 and 9 – this loading area is relatively flat and serves as a paved parking courtyard at an elevation several feet lower than the surrounding buildings.
- South of Building 10 – this loading dock slopes downward to the east and is a collection point for stormwater runoff.
- South of the southern warehouse – the warehouse was constructed several feet above the surrounding grade on imported fill so the trucks can easily back up to the loading dock from the surrounding grade.

Most of the site is paved or covered by buildings. The only unpaved portion lies near the center of the site where USTs were formerly located. The properties immediately east and north of the site are also unpaved. These neighboring properties to the north and east (upgradient) are active rail line areas and have been in industrial use for a similar length of time as the subject site. Interstate 5 also parallels the site's eastern border; the elevated freeway runs north-south along the west slope of Beacon Hill, approximately 350 feet from the site.

The site is generally accessed via Airport Way South by multiple entrances on the west side of the buildings. All existing entrances and parking areas are shown on Figure 2-2. Utilities exist both

above and below ground in the area. Figure 2-2 shows the layout of most utilities present at the site. Additionally, underground utilities exist in the right-of-way on Airport Way South and have prevented investigative borings in areas west of the property line.

Zoning for the site is Industrial General 1 and Industrial General 2 for general industrial use, as shown in documentation provided in Appendix A.

Portions of the northern buildings are currently leased to a plant and flower interior design company. The southern parcel was sold to Elysian Brewing (a beer manufacturer) in 2011 to add bottling capacity to its operations, although Kelly-Moore will continue to investigate and, if necessary, conduct cleanup activities at the transferred parcel under agreement with the purchaser.

4.3 POTENTIAL SOURCES OF CONTAMINATION

The sources of contamination at the site are not specifically known and are presumed to be a combination of several of the following:

- Leaks or spills related to former USTs and related piping located in the central area of the site but also including piping that ran underground into the buildings north of the former UST area.
- Leaks or spills during historical operations before the storage areas were paved or via sumps or catch basins. It is unknown when the property was fully paved, and the full historical use of all the areas is unknown.
- Releases that could have migrated from the neighboring rail line property, situated slightly uphill and hydraulically upgradient of the site, or other upgradient sources.
- Area wide fill apparent at the site. Various materials have been encountered during drilling, and historical records indicate that this area may have been historically filled from unknown sources. Wood, coal, asphalt pieces, and other unidentified fill materials have been observed at the site in the subsurface borings and excavations. The dates of fill placement at the site are unknown.
- Air depositional contributions from the heavy industrial location of the site between an interstate freeway, a major city arterial, and an active rail yard.
- Former owners and operators at the site, prior to paint manufacturing.

4.4 FILL MATERIAL

Historic fill material has been observed in some excavations and investigative borings at the site, indicating that an assortment of fill materials may have been placed at the site over its developed history. No obvious pattern to the placement or depth interval has been noted, with different material observed at different depths in different areas. No information on the date that fill material may have

been placed at the site, or regionally, has been identified. Specifically, the following materials and locations were documented during investigations conducted by AMEC. These locations are shown on Figure 4-1.

- Wood boards of various size in test pit 3 (TP-3) at approximately 4-8 feet bgs beneath Building 10,
- Pink-colored fill in the excavation beneath Building 10 at approximately 3 feet bgs, and a 4-square-foot area of soil stained pink and white in the northwest corner of the containment tank excavation (sample location NWPipe), immediately below the concrete (AMEC, 2010b),
- Bricks, coal, and/or slag material in borings KM-1, KM-4, KM-7, KM-8, KM-16, KM-20, KM-23, KM-24, KM-26, (AMEC, 2010f), and
- Blackened, charred-looking fill (possibly from fire or staining by coal) (KM-4, KM-7, KM-8, KM-11, KM-15, KM-16, KM-24, KM-25, KM-26, KM-29, KM-30, KM-32, KM-39, KM-41, KMW-01, KMW-05).

5.0 NATURAL CONDITIONS

This section describes the physical setting of the site.

5.1 PHYSIOGRAPHIC SETTING/TOPOGRAPHY

The site is located immediately west of Beacon Hill, a topographically high area in the vicinity of the site, and along the eastern boundary of the Duwamish valley floor. The Duwamish valley is the floodplain of the formerly meandering Duwamish River, which has been historically filled to prevent/control flooding and to channelize the Duwamish Waterway, which is located approximately 5,000 feet west of the site.

5.2 GEOLOGY

This section describes the geology of the site, including regional and site geologic conditions.

5.2.1 Regional Geologic Setting

The site lies at the western base of Beacon Hill, in an area consisting of fluvial deposits made up of interbedded layers of sands, silts, and silty sands. Overlying the fluvial deposits is fill material that was placed throughout the local region early in the twentieth century and as part of the channelization of the Duwamish River into what is now the Duwamish Waterway, when industrial development began in the area. Fill material typically used in the region may include dredged sediments (SEACOR, 1994) but also may include other types of fill such as construction and wood debris.

Boring logs for nearby borings directly west of the site show these sand and silt layers present to depths of at least 50 to 60 feet, and one log shows relatively shallow bedrock encountered at 55 to 60 feet (PSC, 2003). These boring logs are included for reference in Appendix B.

5.2.2 Property Geologic Conditions

Local geology was investigated and reported during a Phase II ESA and supplemental Phase II investigation conducted by AMEC (2009b, 2009c, 2010e), as well as during this RI. Locations of borings installed during these investigations are shown on Figure 2-2. Boring logs for the site are included for reference in Appendix B.

The shallow stratigraphy beneath the site consists of sand, silt, and occasional gravel fill. Other apparent historical fill material was also encountered at some borings, including brick at KM-1, KM-5, KM-16, and KM-28; wood fragments at KM-10,KM-15, and KM-22; blackened, potentially burned material at KM-5, KM-7, KM-8, KM-11, KM-15,KM-16, KM-23, KM-24, KM-25, KM-26, KM-27, and KM-29; and crushed concrete at KM-14.

5.3 SURFACE WATER

Other than surface water runoff, no surface water is present on or near the site. Surface water infiltrates the soil in unpaved areas of the site. Some stormwater may also discharge to the City storm sewer system via a connection on Airport Way South (based on City sewer card maps).

The closest surface water body is the Duwamish Waterway, located 5,000 feet west of the site.

5.4 GROUNDWATER

Based on review of environmental investigations conducted near the site and water levels measured at the site, groundwater flows to the west toward the Duwamish Waterway (PSC, 2003). Groundwater was generally encountered between 5.5 and 11.5 feet bgs in borings conducted at the site. Depth to groundwater was greater in the borings below the southern warehouse because of the elevation of the warehouse floor, which was constructed approximately 3 to 4 feet higher than the surrounding grade using imported fill. This building was constructed above the normal ground surface to accommodate a loading dock on the south side.

Water levels were measured at the five new monitoring wells at the site in March 2011 (Table 5-1). The potentiometric surface map for this event is included as Figure 5-1, confirming the western-southwestern flow direction. Water levels are also presented in the cross sections in Figures 5-2 through 5-5.

5.5 NATURAL RESOURCES AND ECOLOGICAL RECEPTORS

Ecological receptors are not anticipated to be present at the site or to be influenced by releases from the site. The site meets the following requirements necessary for exclusion from a terrestrial ecological evaluation, as stipulated in WAC 173-340-7491:

- All soil contaminated with hazardous substances is, or will be, covered by buildings, paved roads, pavement, or other physical barriers that will prevent plants or wildlife from being exposed to the soil contamination (WAC 173-340-7491[1][b]).
- Less than ¼ acre of contiguous undeveloped land is located on or within 500 feet of any area of the site affected by hazardous substances (WAC 173-340-7491[1][c][ii]).

Aquatic ecological receptors in surface water are also not expected to be exposed to hazardous substances due to releases from the site since the nearest surface water body, the Duwamish Waterway, is approximately 5,000 feet west of the site. As discussed in Section 5.3, no surface water is present on or near the site.

6.0 CONTAMINANT OCCURRENCE AND MOVEMENT

This section presents the results of investigations into the nature and extent of contamination on the site. Comparison to cleanup levels that will trigger cleanup action is discussed in Section 9.

6.1 SOIL

This section discusses the analytical results for contaminant occurrence in site soils by constituent class.

6.1.1 Metals

Analytical data for metals in soils are presented in Table 3-6. Metals were analyzed for samples collected from most soil borings, for confirmation samples collected from the UST and piping excavation, and for historical samples.

Metals were detected in all soil samples in which they were analyzed. The following metals were detected in some or all of the samples collected from the site: arsenic, barium, cadmium, chromium, copper, lead, nickel, and zinc. Results for arsenic, cadmium, and copper, the most commonly detected metals at higher concentrations, are shown in Figures 6-1, 6-2, and 6-3. Metals are found naturally in the environment at varying concentrations and may also be introduced to the environment via anthropogenic releases. The metals noted above are commonly detected in urban environments and arsenic is a notable issue throughout the Puget Sound region.

6.1.2 TPH

Analytical data for TPH in soils are presented in Table 3-7. TPH-G and TPH-D were analyzed for samples collected from most soil borings, as well as for confirmation samples collected from the UST and piping excavation. Several historical samples were analyzed for TPH as mineral spirits.

TPH-G is one of the most consistently detected constituents at the site. Results for TPH-G in soil are shown for the north and central areas of the site in Figures 6-4 and 6-5. TPH-G concentrations range up to 33,000 mg/kg. In general, the highest concentrations were detected in samples collected from deeper soils just above the water table, with lower concentrations detected in samples collected from the shallow interval. Boring KM-10 is an exception, with a maximum TPH-G concentration of 11,000 mg/kg in the sample from 2 feet bgs. Boring KM-10 is located near the B7 Trench, as well as a subgrade pipe that reportedly led to one of the older USTs (Figure 6-5). Part of this piping was removed (the purpose of excavating the B7 Trench), but due to structural constraints presented by the building, part of this pipe is still in place, as shown on Figure 6-5.

Three historical samples (S-1, S-2, and S-3) from the area of the north and east sidewalls of the product tank excavation contained TPH as mineral spirits. However, a subsequent sample collected adjacent to the east sidewall sample (S-1) during the 2009 investigations (Product-E2-Wall) did not contain detectable TPH, suggesting that contamination on the east sidewall is no longer present and may have been excavated.

The laboratory reports from the 2009 Phase II ESA (AMEC, 2009b) and the 2009 UST removal (AMEC, 2010b) indicated that some of the gasoline detections may be indicative of mineral spirits, based on the chromatogram pattern observed during analysis. TPH in these samples was detected within the gasoline range but may not have always resulted solely from gasoline. Mineral spirits, also known as Stoddard solvent, is commonly used as a paint thinner and solvent. Based on the previous manufacturing processes that occurred at the site, it is not unexpected that some of the contamination characterized by the analytical laboratory as gasoline range could have originated from mineral spirits. The analytical laboratory typically reports mineral spirits as part of the gasoline range unless requested to compare the chromatographs against product standards.

Concentrations of TPH in samples from the west sidewall of the product tank excavation appeared likely to be related to a source to the west, rather than to leakage from the USTs, which were observed to be undamaged. Samples from borings farther west of the excavation contained elevated TPH, and stained soil was identified in test pits excavated farther west at Building 10 that could represent a source of TPH. Three test pits were excavated west of this area (TP 1, TP 2, and TP 3) (Figure 2-2). Although no samples were collected from the three test pits, field indicators suggest that a sidewall free of contaminants would not have been achieved by additional excavation westward. The 2011 sampling confirmed the presence of TPH in soil in these western areas, with detections in soil at KM-39, KM-40, and KM-41.

TPH concentrations to the south decline rapidly, with only one location showing an elevated concentration (350 mg/kg at KM-22, near the north end of the warehouse building). TPH concentrations in the north (Figure 6-4) are sporadic with several hot spots identified.

6.1.3 VOCs

Analytical data for VOCs in soils are presented in Table 3-8. The suite of VOCs shown in Table 3-8 were analyzed for samples collected from most soil borings, as well as for confirmation samples collected from the UST and piping excavation. A more limited set of VOCs was analyzed for historical samples.

VOCs detected in at least one sample on site included 1,1-dichloroethane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, acetone, benzene, carbon disulfide, ethylbenzene,

isopropylbenzene, m,p-xylene, methyl isobutyl ketone, methylene chloride, naphthalene (discussed in this report as an SVOC), n-butylbenzene, n-propylbenzene, o-xylene, p-isopropyltoluene, sec-butylbenzene, tert-butylbenzene, tetrachloroethene, toluene, trichloroethene (TCE), and trichlorofluoromethane.

Elevated concentrations of VOCs in soils are mainly located in the central area of the site (Figure 6-6), in the vicinity of the former USTs and piping (mostly associated with USTs removed long ago). The benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds detected in soils at the site are likely related to the past releases of mineral spirits and gasoline. Mineral spirits is a petroleum derivative, commonly used as paint thinner, with a high toluene content. Benzene is also expected to be present in mineral spirits but at much lower concentrations than toluene, ethylbenzene, and xylenes. However, gasoline was also used at the site, and both mineral spirits and gasoline are probably sources of the VOCs detected in soils.

6.1.4 SVOCs

Analytical data for SVOCs in soils are presented in Table 3-9. The suite of 78 SVOCs listed in Table 3-9 was analyzed for samples collected from most soil borings, as well as for confirmation samples collected from the 2009 UST and piping excavation. Historical samples for were not analyzed for SVOCs except naphthalene (analyzed as a VOC during the historical investigation). Total carcinogenic polycyclic aromatic hydrocarbon (cPAH) values expressed as the benzo(a)pyrene [B(a)P] toxicity equivalency factor (TEQ) were also calculated according to methodology established in WAC 173-340-708(8).

SVOCs, primarily PAHs, were detected sporadically around the site, indicating that their presence may be related to non-native fill used at the site and area background conditions in this industrial neighborhood. Figure 6-7 and 6-8 present results for B(a)P, total PAHs, and naphthalene, the most commonly detected PAHs. The highest concentrations were observed in shallow soils at KM-32, located in northern Building 4, and the B7-Trench, located in central Building 7. Soils from nearby sampling points contained concentrations of B(a)P at least an order of magnitude lower than those at KM-32 and the B7-Trench.

6.1.5 PCBs

Analytical data for PCBs in soils are presented in Table 3-10. Individual PCB congeners were analyzed for most borings, for samples collected from the B7 Trench (B7-Trench-1, -2, and -3), and for soil samples collected from the bottom of scale pits inside Building 8. Results for this area are shown in Figure 6-9.

PCBs were detected only in the central area of the site, within the interior of site buildings and interior scale pits. The highest concentrations of PCBs were observed in samples from the Building 8 scale pits at concentrations of 44 mg/kg and 100 mg/kg for KM09-8-78 and KM09-8-79, respectively. Subsequent soil samples collected beneath and near the sumps showed much lower concentrations. PCBs have not been detected at elevated concentrations in soil samples collected outside of buildings at the site.

To aid in evaluating the presence of PCBs in soil, concentrations of PCBs are presented in cross section through the area of the Building 8 sumps. Cross section B-B' (Figure 5-4) presents an east to west line through the site.

6.1.6 Summary of Soil Results

The analytical results for soils indicate four main areas of concern for soil impacts: the former UST area, the southern warehouse, Building 8, and the northern portion of the site. These areas are described in this section by the apparent source area.

The most extensive soil impacts appear to be located in and near the former UST area and related piping, located in the central area of the site within and west of the UST excavation. The main constituents in this source area appear to be related to mineral spirits and gasoline, including detections of TPH-G identified by the laboratory as being within the range of mineral spirits, BTEX, and naphthalene. The extent of this impact extends into Buildings 7, 10, 8, and the westernmost portion of the southern warehouse.

Concentrations of constituents in soils underlying the westernmost portion of the southern warehouse appear to represent the southernmost edge of impacts related to the former UST source area. Metals, TPH-G and cPAHs have been identified in this area.

Some areas within the interior of Building 8 have been identified as having elevated levels of PCBs, particularly soils underlying the Building 8 scale pits. No other soils on site have been found to contain elevated concentrations of PCBs.

At the northern portion of the site, adjacent to the site boundary, elevated of concentrations of TPH-G and cPAHs have been identified in site soils. The source of the TPH-G and cPAHs in this area is unknown, but the chromatograms for the TPH-G most closely match a gasoline standard (versus mineral spirits). COC concentrations in the northern buildings are more sporadic, indicating that the source may be numerous small spills that historically occurred in different areas.

6.2 GROUNDWATER

This section discusses the analytical results for contaminant occurrence in site groundwater by constituent class. Groundwater samples were collected from UST excavations (grab samples), from push-probes (unfiltered samples taken with a peristaltic pump), and from monitoring wells using low-flow sampling techniques. The grab samples taken from excavations are not considered consistent with normal data quality objectives and were used in this RI/FS primarily as indicators of contamination and were not used quantitatively. The push-probe samples were collected with low-flow sampling techniques but due to turbidity in open boreholes and the lack of filtering, the metals and SVOC results are considered with the knowledge that this sampling could have measured COCs in soil particles in the turbid water. The results for COCs other than metals and SVOCs are considered reliable data from push-probe water sampling. Groundwater monitoring wells meet the quantitative requirements for all COCs. Generally the highest concentrations of COCs observed at the site were detected in grab groundwater samples from the 2009 UST excavations. Those results are included in tables for reference but not shown on figures due to the concern about data quality.

6.2.1 Metals

Various metals were analyzed in groundwater samples collected during the Phase II investigations and UST excavation; the analytical data are presented in Table 3-11. All metals samples collected to date have been unfiltered and were analyzed for total metals (in contrast to samples filtered to remove solids, which are then analyzed for dissolved metals only).

Arsenic, copper, and lead were the mostly frequently detected metals. The highest concentrations were observed in the central area of the site. The concentrations of these metals are provided in Figures 6-10 and 6-11. KM-1, located at the southern tip of the site, also showed an elevated lead concentration in groundwater (22 µg/L). Other southern locations (KM-2, KM-29, and KM-27) did not show similarly high concentrations; therefore, lead concentration for KM-1 seems to be an isolated detection. Elevated metals could be attributed to the fact that the samples were unfiltered and mostly from direct-push borings completed without a traditional sand pack as those installed for permanent groundwater monitoring wells. Initial monitoring well data support this theory, with only one detection of arsenic out of the five wells sampled (KMW-4 at 12 µg/L).

6.2.2 TPH

Analytical results for TPH in groundwater are presented in Table 3-12. TPH-G was the most frequently detected hydrocarbon. The highest concentrations have been observed in the central area of the site, near the northwest corner of the southern warehouse, as shown in Figure 6-12. Elevated concentrations of TPH-G were also detected at the north end of the site (Figure 6-13), although more sporadically. Unlike samples from the central area of the site, samples from the borings in the

northern tip of the site (KM-16 and KM-22) were found to have a chromatogram indicative of gasoline as opposed to mineral spirits, which is more prevalent in the central area.

6.2.3 VOCs

Analytical data for VOCs in groundwater are presented in Table3-13. BTEX compounds were the most frequently detected VOCs and predominantly in the central area of the site. BTEX concentrations are presented on Figures 6-14 and 6-15. Chromatograms of the VOCs suggest the presence of mineral spirits, but gasoline also appears to be present in this area.

In the northern portion of the site, vinyl chloride was detected at a concentration of 3.8 micrograms per liter (µg/L) at KM-16, and TCE was detected at a concentration of 9 µg/L at KM-17. Additional sampling performed in this area (Figure 6-15) all showed lower detections of these constituents; therefore, the extent appears to be very limited or indicative of an off-site source.

6.2.4 SVOCs

The full suite of SVOCs was analyzed during the early phases of the Phase II investigation but in subsequent phases, PAHs were the SVOC focus. Analytical data for SVOCs are presented in Table 3-14. PAHs have not been detected as frequently in groundwater as the other COCs, but they have been sporadically detected in several samples, with the highest concentrations of PAHs detected in borings KM-34, KM-36, and KM-37 in the central area and KM-32 in the northern area. PAHs were notably not detected in any of the samples collected from the permanent groundwater monitoring wells. PAHs are highly adsorptive to soil particles, and PAH concentrations from groundwater samples collected with push-probes may not be representative of actual concentrations.

6.2.5 PCBs

PCBs were not detected in any of the eight groundwater samples analyzed during the initial Phase II investigation and are not considered a COC for groundwater. The PCB results are summarized in Table 3-15.

6.2.6 Summary of Groundwater Results

The analytical results for groundwater indicate three main areas of concern for groundwater impact: the former UST area, the southern warehouse, and the north end of the site. These areas are described in this section by the apparent source area.

Like for soil, the most extensive groundwater impacts appear to be located in and near the former UST area in the central area of the site. Groundwater samples collected within the UST excavations had elevated concentrations of constituents that appear to be related to mineral spirits, although gasoline also is present based on the chromatograms. Elevated concentrations of predominantly

TPH-G (identified by the laboratory as being within the range of mineral spirits and some gasoline) and BTEX are present in groundwater within this source area, which spreads west-southwest beneath Buildings 8 and 10 and the corner of the southern warehouse.

At the north end of the site, adjacent to the property boundary, VOCs (TCE and vinyl chloride), TPH-G, and naphthalene are present in groundwater. The source of these constituents in groundwater in this area is unknown and the impacts appear to be limited. TPH-G is also present in groundwater beneath Building 5.

To aid in evaluating the presence of COCs in groundwater as it relates to residual soil contamination, both soil and groundwater concentrations of TPH-G, the most widespread COC, are presented in cross section. Cross section A-A' (Figure 5-3) presents a north to south line through the site. Cross section C-C' (Figure 5-5) presents a northeast to southwest line through the most highly impacted area in the general direction of groundwater flow.

6.3 AIR

Air sampling inside the southern warehouse in September 2010 found a barely measurable level of Stoddard-solvent-range hydrocarbons in the warehouse office but none in the warehouse. Levels of the VOCs acetone, ethanol, methyl ethyl ketone, and toluene were similar in the office and warehouse, and similar to the levels in outdoor ambient air measured at the same time. Levels of the VOC 1,4-dioxane were barely detected in the warehouse office but not in the warehouse. The results on the day of sampling do not support a hypothesis that there is a potential problem related to indoor ambient air quality because the measured concentrations were mostly undetectable despite the sensitive methods, and far below occupational exposure limits. The levels of indoor VOCs were comparable to the levels outside in the urban ambient air in this industrial area.

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7.0 CONCEPTUAL SITE MODEL

The conceptual site model (CSM) combines the hydrogeologic conceptual model with contaminant pathways and analysis of potential receptors. The CSM identifies human and environmental receptors based on land use and activities at and near the facility and characterizes the nature of their contact with impacted media at and near the facility. If a receptor has the potential to contact impacted media, a potentially complete exposure pathway is considered to exist.

A block diagram depicting the CSM is presented in Figure 7-1. The block diagram illustrates the current understanding of the potential sources and releases of constituents, generalized hydrogeologic information, and constituent distribution and transport at the facility.

The CSM is based on assumed current and future industrial land use at the site and its location within an industrial area. The entire site is paved with asphalt or concrete.

Ecological receptors are not expected to be present at the site or to be influenced by releases from the site because the majority of the site is paved or covered by buildings. Similarly the surrounding neighborhood downgradient of the site is predominantly paved and characterized by industrial use.

Aquatic ecological receptors in surface water are also not expected to be exposed to hazardous substances due to releases from the site, because there is no surface water at the site and the site is located a large distance (over 5,000 ft) from any surface water receiving bodies.

Human receptors are present at the site, although potential exposure is limited because the majority of the site is paved and groundwater is not used at or near the site. Workers inside buildings could be exposed to vapors that migrate from shallow impacted soil and groundwater. An evaluation of the southern warehouse indicates that this is not a pathway of concern. An evaluation of the northern buildings has not been completed.

7.1 CONTAMINANT RELEASE

The site has a long history of industrial use, most recently as a paint manufacturing plant that discontinued manufacturing activities in 2008. The site has been used for industrial purposes since the early 1900s.

As discussed in Section 4.3, the sources of contamination at the site are not specifically known and may be a combination of one or more of the following:

- Historical leaks or spills related to former USTs and related piping,

- Leaks or spills during historical operations before the storage areas were paved or via sumps or catch basins,
- Releases that could have migrated from the neighboring rail line property, situated slightly uphill and hydraulically upgradient of the site, or other upgradient sources,
- Area wide fill used for development in the region, and potentially at the site, and air depositional contributions from heavy industry in the vicinity of the site, and
- Former owners or operators at the site, prior to paint manufacturing.

7.2 FATE AND TRANSPORT

This section describes the site-specific fate and transport likely to occur given the site and COC characteristics. Site data indicate that impacted soil remains at the site and has impacted groundwater as well. Groundwater at the site flows at a slight gradient to the west-southwest away from Beacon Hill toward the Duwamish Waterway, located 0.6 miles to the west. The highest COC concentrations are present in soil in the central area of the site, in the area encompassing the former USTs, Buildings 7, 8, and 10, and the neighboring loading dock and parking lot. The highest contaminant concentrations in groundwater are present on the western edge of this area, in the direction of groundwater flow. Cleanup of source area soil contamination is expected to decrease groundwater concentrations at the site, although groundwater treatment may also be necessary, depending on the acceptable timeline for cleanup.

7.2.1 Site COC Characteristics

TPH-G and related VOCs (BTEX) are the primary COCs found at the site in both soil and groundwater. PAHs and metals are secondary COCs, detected less frequently and at similar locations as the other driving COCs. PCBs are also a COC where they have been detected within buildings at the site.

TPH-G/BTEX

Petroleum hydrocarbons are a complex mixture of hundreds of chemicals, each with individual fate and transport characteristics (Potter and Simmons, 1998). TPH-G is typically fairly mobile within the environment, while TPH-D are typically less mobile. The solubility and volatility of all compounds generally decrease with increased molecular weight, and the more volatile and water-soluble compounds are lost most rapidly from source areas.

Degradation and biodegradation of petroleum hydrocarbons have been documented for numerous sites under a wide variety of geochemical conditions, indicating that these processes are likely to occur at most sites (Wiedemeier et al., 1999). When a mixture of petroleum hydrocarbons is released into the environment, the composition changes with time due to natural attenuation processes often

referred to as *weathering*. The type and degree of weathering depend on the initial composition of the petroleum mixture and on site-specific environmental conditions, because different types of hydrocarbons weather differently under different conditions. Petroleum compounds are also degraded readily in the subsurface by naturally occurring microbes under a wide variety of conditions. While petroleum compounds are typically degraded more quickly under aerobic conditions, anaerobic degradation can be equally effective at attenuating the concentrations of petroleum compounds. Because petroleum contains a complex and variable mixture of hydrocarbon compounds, all of which eventually break down to carbon dioxide and water, or methane (depending on the degradation environment), the breakdown processes produce no telltale daughter products that can be used as evidence that petroleum biodegradation is occurring.

PCBs

PCBs, marketed under the name Aroclor until commercial production in the United States was stopped in 1977, are mixtures of different congeners of chlorinated biphenyl. The PCB compounds Aroclor 1248, 1254, and 1260 have been detected at the site inside of certain buildings. The relative importance of various environmental fate mechanisms generally depends on the degree of chlorination (HSDB, 2011). In general, the persistence of PCBs increases with an increase in the degree of chlorination. Mono-, di-, and trichlorinated biphenyls (Aroclor 1221 and 1232) biodegrade relatively rapidly; tetrachlorinated biphenyls (Aroclors 1016, 1242 and 1248) biodegrade slowly; and higher-order chlorinated biphenyls (Aroclors 1254 and 1260) are largely resistant to biodegradation. Biodegradation of higher-order chlorinated congeners may occur very slowly due to natural environmental processes, but no other degradation mechanisms have been shown to be important in natural water and soil systems. If released to soil, PCBs adsorb strongly to soil particles, with the adsorption generally increasing with the degree of chlorination of the PCB congener. Strong adsorbtion to soil typically prevents leaching of PCBs to groundwater.

PAHs

PAHs occur in the environment both naturally and as a result of anthropogenic releases, including releases of petroleum products, and as byproducts of partial combustion (HSDB, 2011). A number of PAHs, including acenaphthene, acenaphthylene, anthracene, benzo(g,h,I)perylene, fluoranthene, fluorene, phenanthrene, and pyrene, and cPAHs, including pentachlorophenol, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and naphthalene, were detected at the site.

With the exception of naphthalene, PAHs are typically fairly immobile in the environment because of their low water solubilities, low volatilization potential, and strong tendency to adsorb to soil. Biodegradation is the primary natural mechanism of reduction of PAH concentrations in soil, with

half-lives on the order of 0.5 to 1 year typically reported (HSDB, 2011). Naphthalene is similar to benzene in mobility and also readily biodegradable.

Biodegradation is likely to reduce PAH concentrations over time and strong adsorption is likely to prevent leaching to groundwater in the future.

Metals

Metals are found naturally in the environment at varying concentrations and may also be introduced to the environment via anthropogenic releases. A number of physical, chemical, and biological processes influence the concentrations of metals in an aqueous system. These processes include chemical speciation, hydrolysis, volatilization, sorption, bioaccumulation, and biodegradation. The mobility of each metal in soil and groundwater depends on a number of factors, including soil organic matter and geochemical conditions, such as pH and oxidation-reduction (redox) conditions. Each metal behaves differently in a particular environment due to its unique chemical nature. Evaluation of the mobility of metals is especially difficult because of their ability to form ions and interact with water, minerals, biota, and organic materials.

7.2.2 Site Geochemistry

Subsurface geochemistry strongly influences the fate and transport of organic and inorganic COCs. Evaluation of geochemical parameters along with contaminant concentrations can help to explain the nature and extent of contamination at the site. Water quality parameters, including temperature, dissolved oxygen (DO), turbidity, oxidation-reduction potential (ORP), and specific conductivity, have been recorded during groundwater sampling in each sampling event. A summary of these parameters collected from the five monitoring wells on site during the most recent sampling event (March 2011) is presented in Table 7-1. In general, monitoring data collected from monitoring wells rather than borings, using consistent sampling techniques, are considered to provide the most reliable indication of these parameters.

The pH is a measure of the hydrogen ion concentration in solution and is an indication of the balance between acids and bases in water. The pH of the groundwater at the site in March 2011 ranged between 5.6 and 7.3, indicating relatively neutral groundwater.

Specific conductivity is often used as an approximation of the dissolved solids content and can help to verify that samples were obtained from the same groundwater system. In natural waters, dissolved solids vary from 55 to 75 percent of the specific conductivity (Hem, 1985). During the March 2011 sampling event, specific conductivity ranged from 0.0218 to 0.46 microsiemens per centimeter (µS/cm).

DO in groundwater can be an important factor controlling the mobility of many inorganic constituents and the biodegradation of xenobiotic organic constituents. Oxygen in groundwater typically reacts with any oxidizable material in its flow path; therefore, unless the groundwater is located near the point of recharge, DO concentrations are typically very low (Hem, 1985). Obtaining accurate DO field measurements is often highly problematic due to sensitive field equipment (Wiedemeier et al., 1999). During the March 2011 sampling event, DO concentrations ranged from about 1 to 2 milligrams per liter (mg/L), indicating suboxic to anoxic conditions.

ORP is a measure of electron activity and indicates the relative tendency of a solution to accept or transfer electrons. As the reserve of electron acceptors is depleted by microbial activity, ORP decreases, indicating a reducing environment. Conversely, a high concentration of electron acceptors results in a high ORP, indicative of an oxidizing environment. Because oxygen has one of the highest energy potentials among electron acceptors, it is consumed first; therefore, ORP can also be indicative of an aerobic or anaerobic environment. ORP in natural groundwater environments typically ranges between -400 and 800 millivolts (mV). ORP greater than approximately 750 mV corresponds to oxidizing or aerobic environments, while below approximately -150 mV, the anaerobic processes of sulfate reduction and methanogenesis occur (Wiedemeier et al., 1999). Field instrumentation is not always sufficiently sensitive to accurately measure ORP in groundwater; therefore, field measurements of ORP should be supported by data for the concentrations of oxidized and reduced constituents. The ORP measured in monitoring wells on site in March 2011 ranged from -159 mV to -49 mV, suggesting moderately reducing conditions in which nitrate, manganese, and iron reduction can occur. This finding is consistent with the low DO concentrations at the site.

7.3 DATA GAPS

The CSM for the site reveals that the following data gaps may need to be addressed during or prior to cleanup planning:

- Human inhalation needs to be considered as a potentially complete indoor air pathway at the site. Depending on the final remedy for the site, vapor intrusion from VOCs associated with impacted soil and groundwater may be required to be evaluated as part of cleanup design.
- Depending on the final remedy for the site, geochemistry should be reviewed and additional data sought as part of cleanup planning to evaluate the potential impact of different treatments on the geochemistry and potential unplanned consequences, such as equipment fouling due to mobilization of iron.
- Source area characterization should be carefully reviewed for placement of any selected remedy. As further discussed in Section 9, the highest groundwater contaminant concentrations are observed approximately 150 feet southwest of the highest observed soil contaminant concentrations.

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8.0 CLEANUP STANDARDS

MTCA regulations require that remedial action alternatives achieve cleanup standards. MTCA regulations establish three primary components for cleanup standards:

- Cleanup levels for COCs,
- The point of compliance (POC) where these cleanup levels must be met, and
- Other regulatory requirements that apply.

MTCA regulations define three basic methods of determining cleanup levels for soil and groundwater:

- **Method A** – applies to "routine" sites or where few hazardous substances are involved. Method A cleanup levels have been established for unrestricted and industrial land uses.
- **Method B** – the "universal" method that can be applied to all media at all sites (unrestricted and industrial use). Two types of Method B cleanup levels can be used: standard (or default) cleanup levels based on standard assumptions and modified cleanup levels that incorporate chemical-specific or site-specific information.
- **Method C** – a conditional cleanup level that can be used where more rigorous cleanup levels cannot be achieved. Similar to Method B, Method C comprises two types: standard and modified. Use of Method C cleanup levels requires institutional controls to ensure future protection of human health and the environment and is generally applicable only to industrial sites.

For carcinogenic COCs, MTCA Method B and Method C cleanup levels are generally defined by the upper bound of the estimated lifetime cancer risk, which cannot exceed 1×10^{-6} and 1×10^{-5}, respectively, for each method, for individual carcinogens. Hazard indices for both Methods B and C cannot exceed 1.0.

Preliminary site-specific cleanup levels must be protective of the pathways established in the CSM, including the following media exposure pathways:

- Soil – industrial direct human exposure pathways (ingestion, inhalation, and dermal absorption),
- Soil – indoor vapor inhalation pathway,
- Soil – groundwater pathway,
- Groundwater – direct human exposure pathways (ingestion and dermal absorption), and
- Groundwater – indoor vapor inhalation pathway.

Cleanup levels were evaluated for all constituents that were analyzed in the RI/FS data set.

To develop and evaluate a reasonable range of cleanup alternatives in the FS, a POC must be defined for contaminated sites. As defined in the MTCA regulations, the POC is the point or points at which cleanup levels must be attained. As stated previously, the POC, cleanup levels, and other applicable standards taken together define the cleanup standard. Cleanup has been completed for any site that attains the cleanup standard, as approved by Ecology. To develop and evaluate a reasonable range of cleanup alternatives in this RI/FS, it was necessary to establish POCs for both soil and groundwater. A standard POC (as defined in MTCA) was assumed for the site in this RI/FS.

8.1 GROUNDWATER CLEANUP LEVELS

For groundwater, the preliminary cleanup level for each constituent is a MTCA Method B cleanup level even though the site is industrial because current groundwater data show concentrations of COCs in groundwater at the downgradient property boundary. Because groundwater travels off site, a Method B cleanup level was selected as the most appropriate for use in the RI/FS. The cleanup levels were selected by choosing the following:

- MTCA Method A levels for constituents that do not have a Method B level available, and
- MTCA standard Method B levels based on drinking water beneficial use (Ecology, 2011).

Groundwater is not currently a drinking water source in this area and may qualify for exemption from drinking water criteria-driven cleanup levels. In order to qualify for an exemption, MTCA requires that the criteria outlined in WAC 173-340-720(2) subsections (a) through (c) be met. Unless all of the criteria can be demonstrated, WAC 173-340-720(2) defines all groundwater as potable. Cleanup levels protective of potable groundwater use were conservatively used for evaluation in the R/FS.

For some constituents, the preliminary Method B cleanup levels were revised upward in accordance with the MTCA regulations (WAC 173-340-705[6]) so that the cleanup levels were not lower than the practical quantitation limits (PQLs) obtained by the project laboratory. The preliminary cleanup levels established by this process are modified MTCA Method B cleanup levels. In accordance with WAC 173-340-707, if the PQL for a constituent was higher than the preliminary groundwater cleanup level, the cleanup level was raised to the PQL level. The PQLs were obtained from the current project laboratory, OnSite of Redmond, Washington, which is certified by the state of Washington. The preliminary groundwater cleanup levels are summarized in Table 8-1.

8.2 SOIL CLEANUP LEVELS

The site is located in an area zoned for industrial use; therefore, MTCA Method C soil cleanup levels are appropriate for use at the site. MTCA Method C industrial soil cleanup levels are based on adult occupational exposures and assume that current and future land use will be restricted to industrial purposes.

Cleanup levels for soil were selected by choosing the minimum of the following MTCA cleanup levels:

- MTCA Method C Industrial Cleanup Levels based on direct contact/ingestion obtained from the Cleanup Levels and Risk Calculation (CLARC) Web site (Ecology, 2011),
- For those constituents with no available Method C cleanup levels, MTCA Method A Soil Cleanup Levels for Industrial Land Use (MTCA Table 745-1), and
- Soil cleanup levels protective of groundwater cleanup levels (WAC 173-340-747[4]).

After selecting the minimum value from the levels described above, the preliminary cleanup levels in the following list were established for use in the RI/FS. For some constituents, the preliminary Method C cleanup levels were revised upward when compared to natural background levels and PQLs in accordance with the MTCA regulations (WAC 173-340-709 and WAC 173-340-705[6]). The modified Method C preliminary cleanup levels were established as follows:

- The risk-based soil cleanup level selected for each constituent was compared to the natural background concentration. If the risk-based cleanup level was less than the natural background concentration, the natural background concentration was selected for comparison to the PQL.
- If natural background concentrations were lower than the risk-based soil cleanup level, the risk-based soil cleanup level was selected for comparison to the PQL.
- If the selected natural background concentration or risk-based soil cleanup level was less than the PQL, the PQL was selected as the preliminary cleanup level.

Natural background levels for metals were defined by Ecology (1994) for the Puget Sound area. The Puget Sound natural background values were calculated as the 90th percentile value using Ecology's MTCA STAT program on a sample set of 45 samples. Screening levels that were below the defined Puget Sound natural background levels were adjusted up to the applicable natural background level in accordance with the limitations set forth in WAC 173-340-706(6).

Applicable PQLs were established for soil in the same manner as that described in Section 8.1 for groundwater. The soil cleanup levels for the RI/FS are listed in Table 8-2.

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9.0 AREAS REQUIRING CLEANUP

This section summarizes the areas on site that have been determined to require cleanup based on findings described in this RI/FS, consisting of analytical results from investigations conducted at the Kelly-Moore facility. The primary COCs found at the site that are likely to drive cleanup actions are TPH-G (including mineral spirits), BTEX, and PCBs. Several cPAHs, metals, and VOCs also exceed the cleanup levels in several areas but are minor in comparison and generally collocated with the primary COCs. Tables 9-1 through 9-9 provide the soil and groundwater results compared to the cleanup levels for the site. Areas of soil concentrations exceeding the cleanup levels are shown on Figures 9-1 through 9-3, and locations of groundwater concentrations exceeding cleanup levels are shown on Figure 9-4.

9.1 SUMMARY OF IMPACTED AREAS BY COC

This section provides a summary of COCs present on site and the areas impacted.

9.1.1 TPH

Central and North

Two main areas were identified as areas of concern for TPH-G in soil and groundwater. Most soil samples containing concentrations of TPH-G above the cleanup levels were collected from the central area of the site (Figure 9-1) in the vicinity of the former USTs and associated piping and in samples collected beneath Buildings 7, 8, and 10 (all buildings documented to have had underground piping historically). In addition, two samples at the northern end of the site (KM-19 and KM-30) contained TPH-G in soil at concentrations above the cleanup level (Figure 9-2). As shown in Table 9-1, the highest concentrations of TPH-G in soil (greater than 10,000 mg/kg) were found in shallow samples in the range of 1 to 3 feet bgs. High concentrations were sometimes detected in the deeper sampling intervals (4 to 7 feet bgs); however, based on recent water level measurements at the site, it is likely that these samples represent soil samples collected in soils that are below the water table during at least part of the year and may be more indicative of groundwater impact than a source in soil. The water table was observed to be nearly 10 feet bgs during the 2009 excavation. Subsequent water level measurements at the monitoring wells and during the most recent direct-push sampling showed a much higher water table, closer to 5 feet bgs.

TPH-G concentrations in groundwater (Table 9-2) similarly were highest in the central area of the site, with the highest concentrations (greater than 10,000 µg/L) detected downgradient of the highest soil concentrations (Figure 5-5).

Elevated TPH-G concentrations were also detected at KM-16 and KM-30 in the northern portion of the site, although not as high as the concentrations in the central area and these impacted areas are

small in lateral extent. Nearby data indicate that these are isolated hot spots (Figures 6-4 and 6-13). Unlike samples from the area of the UST excavation, samples from the borings in the northern tip of the property were found to have a chromatogram indicative of TPH-G as opposed to mineral spirits, which is more prevalent in the UST area.

South

TPH was not detected at concentrations above the soil or groundwater cleanup levels in the southern portion of the site (Tables 9-1 and 9-2).

9.1.2 VOCs Including BTEX

Central

As shown in Figure 9-1 and in Tables 9-3 and 9-4, BTEX is generally found at concentrations exceeding the cleanup levels in the same locations as the TPH exceedances, although it does not as frequently exceed the cleanup levels where detected.

North and South

BTEX did not exceed the cleanup levels at any locations in the northern or southern portion of the site (Tables 9-3 and 9-4).

Vinyl chloride was detected in groundwater at concentrations exceeding the cleanup level in the northernmost area of the site, at locations KM-16 (3.8 µg/L) and KM-17 (9 µg/L). VOCs were not detected at concentrations above the cleanup levels in the other borings in the vicinity or in nearby monitoring wells KMW-1 and KMW-2, indicating that the VOC impact is limited to the northernmost part of the site and could be associated with off-site sources. No VOC information is available for upgradient and off-site parcels.

9.1.3 PCBs

Central

As shown in Figure 6-9 and Figure 9-2, PCBs were detected at concentrations above the cleanup levels only in soil from the scale pit areas located inside Building 8 (Table 9-5). Subsequent soil samples collected beneath and near the sumps showed much lower concentrations, indicating that a small area around the sumps requires cleanup action to attain concentrations below the 1 mg/kg cleanup level for unrestricted use under federal law (TSCA), as well as MTCA.

North and South

PCBs did not exceed the cleanup levels at any locations in the northern or southern portion of the site (Table 9-5).

9.1.4 SVOCs

The only SVOCs found to exceed the PSLs were total cPAHs, the individual PAH benzo(a)pyrene, and total naphthalenes (Tables 9-6 and 9-7). As shown in Figures 9-1 and 9-2, the samples in which SVOC concentrations exceeded the cleanup levels were collected in many areas of the site for soil and in a few locations for groundwater, likely resulting from historic areawide fill issues.

North

In the northern area, concentrations of cPAHs exceeded the cleanup levels in several soil samples (Figures 6-7). However, groundwater samples did not show elevated cPAHs in this area except at KM-32, where particularly high concentrations of cPAHs were detected in soil. The cleanup levels for soil used in this RI/FS are generally driven by groundwater protection (Table 8-2). Because groundwater in the northern area does not show concentrations of cPAHs in excess of the cleanup levels, except in the isolated instance of KM-32, evaluating soil data in comparison to the cleanup levels based on direct contact risk drivers, including those covered under CLARC Method C soil values, is warranted based on WAC 173-340-747 (3)(f), Empirical Demonstration. Soil concentrations in the north end of the site do not exceed the Method C CLARC values for cPAHs, with the exception of the hot spot at KM-32. Therefore, no action is warranted for cPAHs in the northern portion of the site, except for the area of KM-32.

Naphthalene was not detected at concentrations above the cleanup level in soil or groundwater in the northern portion of the site.

Central

In the central area of the site, soil concentrations exceeded the groundwater-protection-based cleanup levels for cPAHs at a number of locations. The only samples with concentrations that exceeded the soil cleanup levels for direct contact (Method C CLARC values) were collected from the old piping removal area in Building 7 (B7-Trench) (Figure 6-8). Similar to the northern portion of the site, cPAHs were rarely detected in groundwater. The groundwater results for permanent monitoring wells KMW-3 and KMW-4 were nondetections. The groundwater concentrations from direct-push borings were above the cleanup levels at KM-25, KM-33, KM-36, and KM-37, although all of the concentrations of totals cPAHs were below 0.1 µg/L. The field forms indicate that groundwater samples from these locations were silty with turbidities as high as 150 nephelometric turbidity units (NTU), indicating that the groundwater results could be related to soil particulates present in the temporary boring samples.

Naphthalene was detected at a concentration above the cleanup level in groundwater at KM-22 only. Naphthalene was detected at concentrations above the cleanup level in soil at KM-10, 39, and 41.

Naphthalene can be associated with mineral spirits, the likely source of exceedences in this area near former USTs and piping.

Kelly-Moore plans to sample groundwater for total PAHs in the central area during the next sampling event at the permanent groundwater monitoring wells to confirm that PAHs are not present above cleanup levels in groundwater and do not warrant cleanup action. Data from the permanent groundwater monitoring wells will add clarity to the data set.

South

cPAHs were not detected in soil samples at concentrations above cleanup levels in the southern area (KM-1, KM-2, KM-27 through KM-29). A small detection of cPAHs in groundwater was detected at KM-29 (cPAH TEQ of 0.02 µg/L).

Naphthalene was not detected in soil or groundwater samples collected from the southern area.

9.1.5 Metals

As shown in Figures 9-1 and 9-2, the locations of samples in which the concentrations of metals exceeded the cleanup levels are sporadic, likely resulting from historic areawide fill issues.

North

In the northern area, arsenic exceeded the cleanup levels in several soil samples (Figure 6-1 and Table 9-8). However, the groundwater samples did not show elevated concentration of arsenic (Table 9-9). The cleanup levels for soil used in this RI/FS are generally driven by groundwater protection (Table 8-2). Because groundwater in the northern area does not show concentrations of metals in excess of the cleanup levels, evaluating soil data in comparison to cleanup levels based on direct contact risk drivers, including those covered under CLARC Method C soil values, is warranted based on WAC 173-340-747 (3)(f), Empirical Demonstration. Groundwater concentrations do not exceed the cleanup levels in the northern portion of the site. Soil concentrations in the northern portion of the site do not exceed the Method C CLARC values for metals. Therefore no action is warranted for metals in the northern portion of the site.

Central

Similar to arsenic in the northern area, cadmium concentrations in the central area exceeded the soil cleanup levels based on groundwater protection at several locations. However, cadmium was not detected in groundwater anywhere on the site. No action is warranted based on cadmium concentrations.

In the central area of the site, arsenic was not detected in soil (Figure 6-2), but arsenic concentration did exceed the cleanup levels in groundwater at several locations (Figure 6-10).

Copper was detected at concentrations above the cleanup level (36 mg/kg) at only two locations in the central area: test pit TP-4 (110 mg/kg at 1 foot bgs and less than the cleanup level at 8 feet bgs) and KM-22 (86 mg/kg at 6.5 feet deep and less than the cleanup level at 12.5 feet deep). Copper was detected in groundwater at concentrations above the cleanup level only at KM-22 and KM-25. The concentrations were well below the Method C value but above the Method B drinking-water-based cleanup level at these locations.

Lead was not detected at concentrations above the cleanup level in soil anywhere on the site. Lead was detected at a concentration above the drinking-water-based groundwater cleanup level (15 µg/L) at two locations: KM-41 (60 µg/L) and KM-25 (19 µg/L).

Kelly-Moore plans to sample groundwater for total and dissolved arsenic, copper, and lead during the next sampling event at the permanent groundwater monitoring wells to confirm whether the detections above cleanup levels warrant cleanup action. At this point, cleanup is unwarranted because (1) the data show an irregular pattern; (2) many of the results were total (not dissolved) metals; and (3) the samples were collected from direct-push temporary sampling points. Additionally, groundwater is not used as a drinking water source in this area, and the metals concentrations exceeded only the drinking-water-based cleanup levels and do not pose an unacceptable risk from a direct contact, industrial scenario. Data from the permanent groundwater monitoring wells will add clarity to the data set.

South

Two borings in the southern portion of the site showed concentrations of metals slight exceeding cleanup levels for groundwater. Lead at KM-1 (22 µg/L) slightly exceeded the drinking-water-based groundwater cleanup level (15 µg/L) and arsenic at KM-29 (8.6 µg/L) slightly exceeded the drinking-water-based groundwater cleanup level (3.3 µg/L). No borings downgradient of these borings contain concentrations of metals above cleanup levels. Similarly to the central area, the irregular pattern of exceedances, the lack of exceedance downgradient, the fact that the samples were collected by direct push temporary sampling points rather than from monitoring wells, and the fact that these concentrations exceed only drinking water standards, indicate these concentrations do not pose an unacceptable risk. Additional monitoring to be conducted by Kelly-Moore will provide data relevant to assessing whether metals concentrations on the southern portion of the site warrant cleanup action.

9.2 SUMMARY OF AREAS REQUIRING CLEANUP

The following areas will require cleanup: the former UST source area (central area), the Building 8 scale pits, the north end of the site, the south end of the site. The findings for these area are discussed in the following subsections by apparent source area and then by medium, and summarize on Figure 9-5.

9.2.1 Former UST Source Area (Central Area)

Soil and groundwater are impacted primarily with TPH-G and to a lesser extent with BTEX and naphthalene. Groundwater is most heavily impacted downgradient of the highest soil concentrations, near the property line. Based on chromatograms and the former use of the site, soil contamination and related groundwater impacts in the central area of the site, near the UST excavation, is likely to have resulted from mineral spirits (Stoddard solvent) and TPH-G. The laboratory indicated that the chromatograms for TPH detections in several samples from this area showed that the detections in the TPH-G range were similar to mineral spirits. Above and belowground utilities prevented further evaluation of groundwater immediately downgradient of the site (on Airport Way South).

9.2.2 Building 8 Scale Pits

PCBs have been identified at the site within several interior, specific locations. Soils underlying the scale pits contained within Building 8 have elevated levels of PCBs. No other soils on site have been found to contain concentrations of PCBs above the cleanup levels, and PCBs have not been identified in groundwater at the site.

9.2.3 Northern Portion of the Site

Elevated TPH-G concentrations are present in soil and groundwater at two isolated spots in the north end, KM-16/19 and KM-30, although the concentrations are not as high as the concentrations in the central area. Nearby data indicate that these are limited in extent.

Concentration of cPAHs exceeded the cleanup levels at KM-32, where particularly high concentrations of cPAHs were detected in soil. Detections of cPAHs also occurred in groundwater samples at this location. Nearby samples all showed much lower concentrations, indicating that this is a localized hot spot.

Vinyl chloride was detected at concentrations exceeding the cleanup level in the northernmost area of the site, at locations KM-16 (3.8 µg/L) and KM-17 (9 µg/L). VOCs were not detected at concentrations above the cleanup levels in the other borings in the vicinity or in nearby monitoring wells KMW-1 and KMW-2, indicating that the VOC impact is limited to the northernmost part of the site and is observed in groundwater only, not soil.

9.2.4 Southern Portion of the Site

No actionable areas have been identified for the southern portion end of the site.

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10.0 OVERVIEW OF FEASIBILITY STUDY

The purpose of the FS is to develop and evaluate cleanup action alternatives for addressing contamination identified at the site, and to present criteria that Kelly-Moore will use in selecting a preferred alternative for cleanup. The FS uses information about the history and environmental conditions of the site gathered during prior investigations. The results of these investigations are summarized in the previous sections of this report.

10.1 CLEANUP ACTION OBJECTIVES

Cleanup Action Objectives (CAOs) consist of chemical- and medium-specific goals for protecting human health and the environment. The CAOs specify the media and contaminants of interest, potential exposure routes and receptors, and proposed cleanup goals. The CAOs are to eliminate, reduce, or otherwise control to the extent feasible and practicable, unacceptable risks to human health and the environment posed by hazardous substances in soil and groundwater in accordance with the MTCA Cleanup Regulation (WAC 173-340) and other applicable regulatory requirements. Specifically, the objective of the cleanup is to mitigate risks associated with the following potential exposure routes and receptors:

- Contact (dermal, incidental ingestion, or inhalation) with hazardous substances in soil and groundwater by visitors, workers (including excavation workers), and potential future site users (industrial exposure scenario); and
- Groundwater for beneficial use and to eliminate potential downgradient receptors.

The cleanup goal for the site is to mitigate these risks by meeting the soil and groundwater cleanup standards identified in Section 8.0.

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11.0 IDENTIFICATION AND SCREENING OF REMEDIAL TECHNOLOGIES

This section presents a screening evaluation of potentially applicable response actions and remediation technologies for the cleanup action. The screening evaluation was carried out for each of the environmental media (soil and groundwater) requiring cleanup action evaluation. Based on the screening evaluation, selected response actions and technologies were carried forward for use in the development of cleanup action alternatives (Section 12).

A range of potential response actions and remediation technologies was evaluated so that an appropriate range of cleanup action alternatives could be considered. The primary COCs for this site are TPH-G, BTEX, cPAHs, and PCBs; therefore, the selected technologies are focused on meeting the CAOs for these COCs. The response actions considered in the screening evaluation are identified and evaluated in Table 11-1. These potential response actions and remediation technologies for soil were screened on the basis of their effectiveness, implementability, and cost. On the basis of the screening, it was determined whether the response actions and technologies warranted further evaluation. Some response actions and technologies were screened out from further evaluation due to low effectiveness or poor implementability or because another technology would be similarly effective and implementable and would have a significantly lower cost. Five remedial technologies, which are described in the following subsections, were retained for further evaluation:

- Excavation and off-site disposal,
- Dual-phase vacuum extraction (DVPE),
- In situ chemical oxidation (ISCO),
- Biosparging, and
- Monitored natural attenuation (MNA).

11.1 EXCAVATION AND OFF-SITE DISPOSAL

Soil removal by excavation is considered to be an effective technology to permanently eliminate the risk of exposure to contaminants at the site. Excavation is generally implementable over undeveloped portions of the site or in small portions of developed areas. Excavation adjacent to or underneath existing buildings or other structures or utilities may require protective measures such as shoring or removal of structures; however for the purposes of this evaluation, it is assumed that excavation can be conducted without shoring or demolition. It is anticipated that excavated soil could be disposed of at a permitted solid waste (Resource Conservation and Recovery Act, Subtitle D) landfill rather than requiring disposal at a hazardous/dangerous waste (Subtitle C) disposal facility. Given the

prevalence of buildings on the site, excavation is proposed for constituents that have a limited extent and are less amenable to typical treatment alternatives, such as PCBs and cPAHs.

11.2 DUAL-PHASE VACUUM EXTRACTION

DPVE, also called multiphase vacuum extraction, addresses contamination in both the saturated zone and vadose zone by removing dissolved and vapor constituents as well as nonaqueous phases of contaminants. DPVE is generally used for the removal of VOCs and fuels. It is often selected because it enhances groundwater and product recovery rates and can enhance biodegradation by substantially increasing the supply of oxygen to the vadose zone. Because it extracts groundwater by design, DPVE can be used where similar technologies, such soil vapor extraction (SVE), are limited by shallow groundwater. DPVE can be implemented under buildings and in other developed areas, which may extend the reach of individual extraction wells by minimizing short-circuiting from air flow through the ground surface.

11.3 IN SITU CHEMICAL OXIDATION

ISCO has been used successfully to destroy contaminant masses in soils and groundwater at numerous sites. RegenOx® is the oxidant selected for potential use at this site; it is a solid alkaline oxidant patented by Regenesis. RegenOx® uses sodium percarbonate and a catalyst to generate free radicals that permanently destroy a range of contaminants, including petroleum hydrocarbons and many VOCs. RegenOx® is also designed to be compatible with subsequent bioremediation. One byproduct of RegenOx® is oxygen, which is an important electron acceptor for biological degradation and can enhance residual COC destruction. Unlike other ISCO products, the oxidant and activator in RegenOx® are mixed together in a tank at the surface, rather than by multiple injections. This provides certainty that the oxidant delivered to the subsurface is appropriately activated. RegenOx® would be delivered through direct-push injections and could be applied in the developed areas of the site.

11.4 BIOSPARGING

Biosparging is a remediation technology in which air is injected into the saturated zone at low-flow rates to increase oxygen concentrations and enhance the biological activity of the indigenous microorganisms. Biosparging can be used to reduce concentrations of petroleum constituents and VOCs that are dissolved in groundwater, adsorbed to soil below the water table, and within the capillary fringe. Biosparging can also provide limited treatment for constituents adsorbed to soils in the unsaturated zone.

11.5 MONITORED NATURAL ATTENUATION

MNA is a process in which naturally occurring bacteria degrade contaminants in the subsurface without added nutrients and other amendments. Groundwater is monitored periodically to ensure that the COCs are degrading and that the groundwater meets the cleanup levels at a conditional POC, typically at the property boundary. Although the remedial alternatives described in Section 12 are expected to meet the cleanup levels at the standard POC once the period of performance is completed, MNA may be an adequate remedy to address residual site contaminants if they are present after the remedial actions are completed. Therefore, MNA is not specifically included in any of the remedial alternatives but may be used after another remedy is implemented (if necessary) to complete the cleanup of residual contaminants that are amenable to biodegradation.

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12.0 DESCRIPTION OF CLEANUP ALTERNATIVES

The technologies carried forward from the screening are institutional and engineering controls, DPVE, ISCO, excavation and disposal, and biosparging. Excavation and disposal is the only technology considered that will feasibly reduce the risk resulting from PCBs and cPAHs in soil. Therefore, excavation and disposal of PCB-impacted soil (near the Building 8 scale pits) and soil with elevated concentrations of cPAHs (near boring KM-32) is included in each of the alternatives. Among the other technologies carried forward, DPVE, ISCO, and biosparging are considered to be the most effective at treating the other primary COCs (TPH-G and BTEX) in soil and groundwater. Due to the fact that buildings cover most of the site, it is likely that soils will remain at levels above cleanup levels and institutional controls including deed restrictions may be needed to protect human health in the long term. All of the alternatives include adoption of institutional controls as an assumption.

The cleanup action alternatives described in this section are based on conceptual-level design for the implementation of individual technologies retained for evaluation. The design parameters used to develop the alternatives are based on engineering judgment and current knowledge of the site conditions. The final design for the selected alternative may require additional characterization and analysis to better define the scope and costs associated with the cleanup action.

12.1 ALTERNATIVE 1

Alternative 1 consists of the following:

- Excavation and disposal of PCB-impacted soil surrounding the Building 8 scale pits,
- Excavation and disposal of soil with elevated cPAH concentrations surrounding boring KM-32, and
- Sitewide DPVE to reduce concentrations of TPH-G and BTEX throughout the central and north areas.

In this alternative, a 15-foot-by-10-foot area would be excavated around the Building 8 scale pits to a depth of 10 feet, and a 10-foot-by-10-foot area would be excavated around KM-32 to a depth of 10 feet. The removed soil would be disposed of in an off-site landfill as non-hazardous waste. Confirmation samples would be collected from the excavation sidewalls and bottom to ensure that the extent of the excavation was adequate to remove soils containing PCBs at concentrations above the cleanup level and elevated concentrations of cPAHs.

It is assumed that DPVE wells used will have an approximate radius of influence of 20 feet in the gravelly and silty sands observed at the site. The layout of the DPVE wells is shown in Figures 12-1 and 12-2, for the central area and the north area, respectively. It is assumed that 5 to 10 wells would be operated at a time and a mobile DPVE skid would be rotated throughout the site to address

contaminants over a 3-year period. Groundwater would be treated by air stripping, and vapor removed from the subsurface would be treated using granular activated carbon prior to discharge. If air stripping is not deemed a feasible groundwater treatment technology, then granular activated carbon may be used or alternatively a catalytic oxidizer for air treatment may be needed initially due to the high concentrations predicted. A short pilot test will need to be conducted to confirm air treatment approach and confirm design assumptions. Treated groundwater would be discharged to the King County sanitary sewer system through an existing on-site connection. Semi-annual groundwater monitoring would be conducted during the DPVE treatment, and quarterly groundwater monitoring would be conducted for 1 year following treatment. It is assumed that monitoring would be conducted in eight wells sitewide.

The net present cost for Alternative 1 is estimated to be $2,727.000. Detailed conceptual costs are provided in Appendix E.

12.2 ALTERNATIVE 2

Alternative 2 consists of the following:

- Excavation and disposal of PCB-impacted soil surrounding the Building 8 scale pits,
- Excavation and disposal of soil with elevated cPAH concentrations surrounding boring KM-32,
- Hot spot DPVE to reduce concentrations of TPH-G and BTEX in select areas of the central and north areas, and
- Biosparging to reduce lower concentrations of TPH-G and BTEX in the remaining areas of the central and north area.

Select soil containing elevated concentrations of PCBs and cPAHs would be excavated and disposed of off-site as in Alternative 1. Confirmation samples would be collected from the excavation sidewalls and bottom to ensure that the extent of the excavation was adequate to remove soils containing PCBs at concentrations above the cleanup level.

DVPE would be used to treat the hot spot soil and groundwater areas in the central and north areas. The hot spot areas in the central area are identified as being within the 10,000 mg/kg TPH-G contour in soil and within the 50,000 µg/L TPH-G contour in groundwater (Figures 6-5 and 6-11, respectively)). Because the impacted areas in the north area are relatively small, the hot spot treatment would address both of the impacted areas identified in soil and groundwater (Figures 6-4 and 6-13). The DPVE well layouts proposed to address the areal extent of TPH-G and BTEX in the central area and the north area are shown in red on Figures 12-1 and 12-2, respectively. It is assumed that a mobile DPVE skid would be rotated throughout the site to address contaminants over a 1-year period.

Groundwater would be treated by air stripping, and vapor removed from the subsurface would be treated using granular activated carbon prior to discharge. If air stripping is not deemed a feasible groundwater treatment technology, then granular activated carbon may be used instead, or alternatively a catalytic oxidizer as noted in Section 12.1, depending on a short pilot test to confirm air treatment approach and confirm design assumptions. Treated groundwater would be discharged to the King County sanitary sewer system through an existing on-site connection. Groundwater samples would be collected semi-annually from eight monitoring wells during the DPVE treatment.

Once DPVE has removed the bulk of volatile contaminants from the hot spot areas, biosparging would be implemented to meet the cleanup levels for TPH-G and BTEX in the remaining areas. Because biosparge technology is not meant to strip contaminants from the subsurface, no SVE is included; however, an initial vapor monitoring event is included in the costs to ensure that volatile compounds are not impacting indoor air during the biosparge treatment. It is expected that the wells and manifold from the DPVE system could be reused for biosparging; however, additional wells would be needed to treat the portions of the central area that are not addressed by DPVE. These wells are shown in blue on Figure 12-1. The duration of biosparging is estimated to be 3 years. Groundwater samples would be collected semi-annually from eight monitoring wells during the biosparging. Quarterly groundwater monitoring would be conducted for 1 year following the biosparge treatment.

The net present cost for Alternative 2 is estimated to be $1,353,000. Detailed conceptual costs are provided in Appendix E.

12.3 ALTERNATIVE 3

Alternative 3 consists of the following:

- Excavation and disposal of PCB-impacted soil surrounding the Building 8 scale pits,
- Excavation and disposal of soil with elevated cPAH concentrations surrounding boring KM-32, and
- Sitewide ISCO using RegenOx® to reduce concentrations of TPH-G and BTEX throughout the central and north areas.

Select soil containing elevated PCBs and cPAHs would be excavated and disposed of off site as in Alternatives 1 and 2. Confirmation samples would be collected from the excavation sidewalls and bottom to ensure that the extent of the excavation was adequate to remove soils containing PCBs at concentrations above the cleanup level.

RegenOx® would be used to chemically oxidize TPH-G and BTEX in soil and groundwater below the water table at a depth of 5 to 15 feet bgs. Based on the TPH-G and BTEX sample results, a total

oxidant dose of approximately 265,000 pounds of RegenOx® would be applied at the Site. The RegenOx® would be applied using a direct-push drilling rig. It is assumed that the ISCO injection points would be installed at 30 feet on center, because multiple rounds of injection would be required to provide the total dose of oxidant. The injection locations would shift approximately 5 to 10 feet with each round of injections to increase the coverage area of the oxidant. A total of over 1,100 injection points during as many as 53 injection events would be needed sitewide to provide the calculated dose of RegenOx®. The injection layout is shown in Figures 12-3 and 12-4. Decreasing the injection spacing or increasing the RegenOx® concentration would reduce the overall number of injection events required. This would shorten the schedule for completing the ISCO treatment but would generally cost the same. Injections events would be completed in 2- to 3-week intervals. Although the ISCO injections may span a period of more than a year, the costs for the chemical oxidation injections are included in the first year capital costs. Two groundwater sampling events are planned during the ISCO treatment to evaluate the effectiveness of the oxidant. It is assumed that monitoring would be conducted in eight wells sitewide, requiring the installation of three additional monitoring wells. Groundwater monitoring would be conducted quarterly for 1 year following treatment.

The net present cost for Alternative 3 is estimated to be $3,139,000. Detailed conceptual costs are provided in Appendix E.

12.4 ALTERNATIVE 4

Alternative 4 consists of the following:

- Excavation and disposal of PCB-impacted soil surrounding the Building 8 scale pits,
- Excavation and disposal of soil with elevated cPAH concentrations surrounding boring KM-32,
- Hot spot ISCO using RegenOx® to reduce concentrations of TPH-G and BTEX in select areas of the central and north areas, and
- Biosparging to reduce concentrations of TPH-G and BTEX in the remaining areas of the central and north areas.

As described for the other alternatives, select removal of impacted soil and excavation confirmation sampling would be conducted as part of Alternative 4.

RegenOx® would be used to chemically oxidize TPH-G and BTEX in hot spot areas of soil and groundwater below the water table at a depth of 5 to 15 feet bgs. Based on the TPH-G and BTEX sample results, approximately 154,000 pounds of RegenOx® would be required to treat the central and north area hot spots. The RegenOx® would be applied using a direct-push drilling rig. Over 600 injection points would be needed to address the areal extent of TPH-G and BTEX sitewide.

The injection locations are shown in red on Figures 12-4 and 12-5. As with Alternative 3, the duration of the injection could be modified by decreasing the injection spacing or increasing the concentration of injected oxidant; however, it would generally cost the same. The injections events would be completed in 2- to 3-week intervals. Although the ISCO injections may span a period of more than a year, the costs for the chemical oxidation injections are included in the first year capital costs. Two groundwater sampling events are planned during the ISCO treatment to evaluate the effectiveness of the oxidant. It is assumed that monitoring would be conducted in eight wells sitewide.

Once the ISCO has removed the bulk of the TPH-G and VOCs from the subsurface in the hot spot areas, biosparging would be implemented as a polishing step to meet the cleanup levels for TPH-G and BTEX in the remaining areas. Because biosparge technology is not meant to strip contaminants from the subsurface, no SVE is included; however, an initial vapor monitoring event is included to ensure that volatile compounds are not impacting indoor air during the biosparge treatment. The biosparge wells are shown in blue on Figure 12-5. The duration of the biosparging is estimated to be 3 years. Groundwater samples would be collected semi-annually from eight monitoring wells during the biosparging. Quarterly groundwater monitoring would be conducted for 1 year following the biosparge treatment.

The net present cost for Alternative 4 is estimated to be $2,433,000. Detailed conceptual costs are provided in Appendix E.

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13.0 DETAILED EVALUATION OF ALTERNATIVES

This section describes the threshold requirements for cleanup actions under MTCA, the criteria used for a disproportionate cost analysis, and the evaluation of the alternatives based on the criteria identified.

13.1 THRESHOLD REQUIREMENTS

Cleanup actions performed under MTCA must comply with several basic requirements. Cleanup action alternatives that do not comply with these criteria are not considered suitable cleanup actions under MTCA. As provided in WAC 173-340-360(2)(a), the four threshold requirements for cleanup actions are that they must accomplish the following:

- Protect human health and the environment,
- Comply with cleanup standards,
- Comply with applicable state and federal laws, and
- Provide for compliance monitoring.

13.1.1 Protection of Human Health and the Environment

The results of cleanup actions performed under MTCA must ensure that both human health and the environment are protected.

13.1.2 Compliance with Cleanup Standards

Compliance with cleanup standards requires, in part, that the cleanup levels are met at the applicable POCs. If a remedial action does not comply with the cleanup standards, the remedial action is an interim action, not a cleanup action. Where a cleanup action involves containment of soils with concentrations of hazardous substances exceeding the cleanup levels at the POC, the cleanup action may be determined to comply with the cleanup standards, provided the requirements specified in WAC 173-340-740(6)(f) are met.

13.1.3 Compliance with Applicable State and Federal Laws

Cleanup actions conducted under MTCA must comply with applicable state and federal laws. The term “applicable state and federal laws" includes legally applicable requirements and those requirements that Ecology determines to be relevant and appropriate as described in WAC 173-340-710.

13.1.4 Provision for Compliance Monitoring

The cleanup action must allow for compliance monitoring in accordance with WAC 173-340-410. Compliance monitoring consists of protection monitoring, performance monitoring, and confirmational monitoring. Protection monitoring is conducted to confirm that human health and the environment are adequately protected during construction and the operation and maintenance period of a cleanup action. Performance monitoring is conducted to confirm that the cleanup action has attained the cleanup standards and, if appropriate, the remediation levels or other performance standards. Confirmational monitoring is conducted to confirm the long-term effectiveness of the cleanup action once the cleanup standards and, if appropriate, the remediation levels or other performance standards have been attained.

13.2 OTHER MTCA REQUIREMENTS

Under MTCA, when selecting from the alternatives that meet the minimum requirements described above, the alternatives must be further evaluated against the following additional criteria:

- **Use of permanent solutions** to the **maximum extent practicable (WAC 173-340-360[2][b][i]).** When selecting from cleanup action alternatives that fulfill the threshold requirements, MTCA requires that the selected action use permanent solutions to the maximum extent practicable (WAC 173-340-360[2][b][i]). MTCA specifies that the permanence of these qualifying alternatives must be evaluated by balancing the costs and benefits of each of the alternatives using a "disproportionate cost analysis" in accordance with WAC 173-340-460(3)(e). The criteria for conducting this analysis are described in Section 13.3.

- **Provision of a reasonable restoration time frame (WAC 173-340-360[2][b][ii]).** In accordance with WAC 173-340-360(2)(b)(ii), MTCA places a preference on those cleanup action alternatives that, while equivalent in other respects, can be implemented in a shorter period of time. MTCA includes a summary of factors to be considered in evaluating whether a cleanup action provides for a reasonable restoration time frame (WAC 173-340-360[4][b]).

- **Consideration of public concerns (WAC 173-340-460[2][b][iii]).** Ecology will consider public comments submitted during the RI/FS process in making its preliminary selection of an appropriate cleanup action alternative. This preliminary selection is subject to further public review and comment when the proposed remedy is published in the draft cleanup action plan.

13.3 MTCA DISPROPORTIONATE COST ANALYSIS

The MTCA disproportionate cost analysis (DCA) is used to evaluate which of the alternatives that meet the threshold requirements are permanent to the maximum extent practicable. This analysis involves comparing the costs and benefits of alternatives and selecting the alternative whose incremental costs are not disproportionate to the incremental benefits. The evaluation criteria for the DCA are specified in WAC 173-340-360(2) and (3) and include protectiveness, permanence, cost,

long-term effectiveness, management of short-term risks, implementability, and consideration of public concerns.

As outlined in WAC 173-340-360(3)(e), MTCA provides a methodology that uses these criteria to determine whether the costs associated with each cleanup alternative are disproportionate relative to the incremental benefit of the alternative above the next lowest-cost alternative. The comparison of benefits relative to costs may be quantitative but will often be qualitative. Costs are disproportionate to benefits if the incremental costs of the more permanent alternative exceed the incremental degree of benefits achieved by the other lower-cost alternative (WAC 173-340-360[e][i]). Where two or more alternatives are equal in benefits, Ecology selects the less costly alternative (WAC 173-340-360[e][ii][c]).

Each criterion is weighted equally in the DCA.

13.3.1 Protectiveness

The overall protectiveness of a cleanup action alternative is evaluated on the basis of several factors. The evaluation of protectiveness considers the extent to which human health and the environment are protected and the degree to which overall risk at a site is reduced. It considers both the on-site and off-site reduction in risk resulting from implementing the alternative. Protectiveness gauges the degree to which the cleanup action may perform at higher level than the specific standards presented in MTCA. It is also a measure of the improvement of the overall environmental quality at the site.

13.3.2 Permanence

When selecting a cleanup action alternative, MTCA specifies preference for actions that are "permanent solutions to the maximum extent practicable." The evaluation criteria for permanence include the degree to which the alternative permanently reduces the toxicity, mobility, or mass of hazardous substances, including the effectiveness of the alternative in destroying the hazardous substances, the reduction or elimination of hazardous substance releases and sources of releases, the degree of irreversibility of waste treatment processes, and the characteristics and quantity of treatment residuals generated.

13.3.3 Cost

Under MTCA, the analysis of cleanup action alternative costs includes all costs associated with implementing an alternative, including design, construction, long-term monitoring, and institutional controls. Costs are intended to be comparable among different alternatives to assist in the overall analysis of relative costs and benefits of the alternatives. The costs to implement an alternative include the cost of construction, the net present value of any long-term costs, and agency oversight costs. Long-term costs include operation and maintenance costs, monitoring costs, equipment

replacement costs, and the cost of maintaining institutional controls. Cost estimates for treatment technologies describe pretreatment, analytical, labor, and waste management costs. The design life of the cleanup action is estimated, and the costs of replacement or repair of major elements are included in the cost estimate. Costs are compared against benefits to assess the cost-effectiveness and practicability of the cleanup action alternatives.

13.3.4 Long-Term Effectiveness

Long-term effectiveness is a parameter that expresses the degree of certainty that the alternative will be successful in maintaining compliance with cleanup standards over the long-term performance of the cleanup action. The MTCA regulations contain a specific preference ranking for different types of technologies that is to be considered as part of the comparative analysis. The ranking places the highest preference on technologies such as reuse/recycling, treatment, immobilization/solidification, and disposal in an engineered, lined, and monitored facility.

Lower preference rankings are applied for technologies such as on-site isolation/containment with attendant engineered controls, and institutional controls and monitoring. The regulations recognize that, in most cases, the cleanup alternatives will combine multiple technologies to accomplish the CAOs. The MTCA preference ranking must be considered along with other site-specific factors in the evaluation of long-term effectiveness.

13.3.5 Management of Short-Term Risks

The evaluation of this criterion considers the relative magnitude and complexity of actions required to maintain protection of human health and the environment during implementation of the cleanup action. Cleanup actions carry short-term risks, such as potential mobilization of contaminants during construction, or safety risks typical of large construction projects. Some short-term risks can be managed through the use of best practices during project design and construction, while other risks are inherent in project alternatives and can offset the long-term benefits of an alternative.

13.3.6 Implementability

Implementability is an overall metric expressing the relative difficulty and uncertainty of implementing the cleanup action. The evaluation of implementability includes a consideration of technical factors such as the availability of mature technologies and experienced contractors to accomplish the cleanup work. It also includes administrative factors associated with permitting and completing the cleanup.

13.3.7 Consideration of Public Concerns

Under MTCA, the public involvement process is used to identify potential public concerns regarding cleanup action alternatives. The extent to which an alternative addresses those concerns is

considered as part of the evaluation process. This includes concerns raised by individuals, community groups, local governments, tribes, federal and state agencies, and other organizations that may have an interest in or knowledge of the site.

13.4 CLEANUP ALTERNATIVE EVALUATION

This section provides a comparative analysis of the cleanup action alternatives developed for the site. Each alternative addresses contaminated media with a combination of treatment technologies appropriate for the site conditions. Table 13-1 provides a ranking of each alternative based on the MTCA criteria identified above.

13.4.1 Baseline Alternative

The baseline alternative is Alternative 3. Although all of the alternatives are considered permanent cleanup actions in the sense that the cleanup standards would be met for the primary COCs, Alternative 3 is considered to have the shortest restoration time frame. All of the alternatives rely on long-term landfill containment of PCB- and cPAH-impacted soil for protecting human health and the environment.

13.4.2 Comparison to Baseline Alternative

As noted above, Alternative 3 has been defined as the baseline alternative. The other alternatives are compared to the baseline alternative below. The purpose of this comparison is to assess the benefits and costs of the other alternatives relative to the baseline alternative. The benefits assessed in this comparison and the relative ranking for the alternatives are summarized in Table 13-1. The rationale for this comparison is presented below.

Protectiveness

Alternatives 1, 2, and 4 provide the same amount of protectiveness as the baseline alternative (Alternative 3), with a score of 4 out of 5 for the following reasons:

- Each alternative is expected to remove soils containing PCBs and elevated concentrations of cPAHs but will rely on long-term landfill containment of impacted soil.
- Each alternative is expected to remove and destroy TPH-G and VOCs to the same extent and to therefore provide the same improvement in overall environmental quality.

Permanence

Alternatives 1, 2, and 4 provide the same degree of permanence as the baseline alternative (Alternative 3), with a score of 4 out of 5 for the following reasons:

- PCBs and soil containing elevated concentrations of cPAHs will be permanently removed from the site and contained, but each alternative will rely on long-term landfill containment as opposed to destruction.
- Each alternative is expected to remove and irreversibly destroy the same mass of TPH-G and VOCs without producing toxic byproducts.

Long-Term Effectiveness

Each of the alternatives scored equally in terms of long-term effectiveness (score of 5) because each remedy will permanently reduce risk once implemented and reduce the need for long-term management of COCs on the site. Under each of the alternatives, the treated contaminants will be permanently destroyed or removed from the site. Soils could remain on site above levels protective of residential cleanup levels that could require the need for institutional controls including deed restrictions.

Management of Short-Term Risks

Alternatives 1 and 2 provide the best management of short-term risks (score of 4), whereas the baseline alternative (Alternative 3) provides the highest short-term risks (score of 2) for the following reasons:

- All four alternatives require that contaminated soil be removed and transported to an off-site facility. Excavation has inherent risks due to the use of heavy equipment and the potential to mobilize contaminants. Off-site transport of contaminated media has the potential to spread contaminants off site or result in traffic-related accidents to the general public. Therefore, none of the alternatives was given the highest score possible (5).
- Alternatives 3 and 4 each require multiple site visits with heavy equipment to achieve the CAOs. Both of these alternatives require mixing a chemical oxidant and injecting it into the subsuface at high pressure, posing additional health and safety hazards to personnel and to workers in the buildings. Alternative 4 requires fewer site visits and less chemical oxidant than Alternative 3; therefore, it received a slightly higher score.
- Alternatives 1 and 2 require less involvement of heavy equipment and do not require the use of an oxidant, although trenching will be required to install extraction lines at the site.

Implementability

Alternative 2 is expected to have the easiest implementability (score of 4), followed by Alternative 4 (score of 3). Alternative 1 (score of 2) is expected to have a slightly higher implementability than the

baseline alternative. The baseline alternative (Alternative 3) is expected to be the hardest to implement, with a score of 1.

- All of the alternatives are expected to be administratively feasible in terms of the ability to obtain permits.
- There is some uncertainty that DPVE (Alternatives 1 and 2) will meet the cleanup levels within the specified period of performance. Furthermore, additional investigation is needed to determine whether air stripping and carbon treatment will be cost-effective options for treating soil vapor and groundwater extracted by DPVE.
- Although a large number of injection points are planned to implement ISCO (Alternatives 3 and 4), there is some uncertainty about the feasibility of each of the injection locations due to access constraints and existing operations. Therefore, there is uncertainty about whether the oxidant can achieve the physical contact needed to oxidize subsurface contaminants.
- Alternative 3 requires extensive concrete coring and push-probe injections throughout the site and will require multiple rounds of injection and therefore multiple rounds of coring and injections.
- Alternatives 1 and 2 will use permanent wells rather than temporary direct-push points, but both will require extensive trenching to install the extraction/biosparge lines below grade.
- Alternative 4 requires less trenching than Alternatives 1 and 2 but also requires multiple rounds of concrete coring and push-probe injections in the hot spot areas.
- Alternatives that include several treatment methods, such as Alternatives 2 and 4, are more likely to achieve success because they allow greater flexibility in meeting the CAOs. Alternative 2 provides a slightly higher degree of implementability than Alternative 4 because DPVE wells can be used for biosparging if additional treatment is needed in hot spot areas.

Consideration of Public Concerns

Alternative 2 provides the greatest consideration of public concerns (score of 4), whereas the baseline alternative provides the least consideration for public concerns (score of 1). Alternatives 1 and 4 both ranked moderately with scores of 3 and 2, respectively. The following rationale is given:

- All of the alternatives are expected to be acceptable to the public; however, all of the alternatives require transportation of contaminated soil on public streets. Truck traffic is typically one of the public's biggest concerns although the volume of soil to be trucked is relatively small for this site.
- Alternatives 3 and 4 require multiple rounds of injection; therefore, the effect of heavy equipment on traffic and noise will be greater for these alternatives. Both alternatives will also require that chemicals be injected into the ground, which may raise public concern despite their frequent use for remediation. Alternative 4 will result in slightly less traffic, noise, and oxidant use than Alternative 3.

- Alternatives 1 and 2 require less frequent site visits by heavy equipment than the other alternatives.
- Alternative 2 requires a slightly longer cleanup time frame than Alternative 1 and, therefore, may not be viewed as positively by the public.

Cost

The baseline alternative, Alternatives 3, is the highest-cost alternative at $3.14 Million. Alternatives 1 and 4 have a similar amount of environmental benefit and a similar cost, ranging from $2.43 Million to $2.73 Million. Alternative 2 is the lowest-cost alternative ($1.35 Million) and is ranked highest in terms of environmental benefit. The cost for Alternative 2 is less than half the cost of the baseline alternative. A chart displaying the relative ranking versus the estimated cost is provided in Figure 12-6 and provides a visual reference for conducting the disproportionate cost analysis.

13.4.3 Preferred Alternative

A summary of the rankings and costs is provided in Table 13-1. Each of the alternatives is expected to meet the threshold criteria and use permanent solutions to the maximum extent practicable. Alternative 1 received the highest relative benefits ranking, with a combined score of 23 out of 30. Alternatives 1 and 4 received similar relative benefits rankings, with combined scores of 21 and 20, respectively. Alternative 3, the baseline alternative, received the lowest relative benefits ranking (a combined score of 15). Because the lowest-cost alternative was ranked the highest in terms of relative benefits, the baseline alternative (Alternative 3), Alternative 1, and Alternative 4 have disproportionate costs because the higher costs do not provide an incremental environmental benefit. A graph comparing the cost and relative benefits is provided in Figure 14-1 to help visualize the disproportionate costs.

Alternative 2 received the highest relative benefits ranking and the costs are the lowest. For this reason, the preferred alternative is Alternative 2.

14.0 CONCLUSIONS

This RIFS identified the following areas at the site requiring cleanup and recommends action to cleanup the site based on an evaluation of remedial alternatives as described in WAC 173-340-350:

- **PCBs in soil beneath Building 8 scale pits**. The extent of contamination is limited to a defined interior area of Building 8 and is proposed to be addressed through excavation and disposal of the soil that exceeds PCB cleanup levels, to the extent practicable.
- **cPAHs in soil beneath Building 4 (KM-32).** The extent of contamination is limited and is proposed to be addressed through excavation and disposal of the soil that exceeds the cPAH cleanup level, to the extent practicable.
- **Elevated TPH-G concentrations and to a lesser extent with BTEX and naphthalene in soil and groundwater** at two isolated spots in the north area and over the majority of the central area of the site near former USTs and underground piping. Kelly Moore proposes to use hot spot DPVE for concentration reduction and bispoarging as a polishing step to reduce concentrations in soil and groundwater. Additional testing may be necessary to confirm the feasibility of this method.
- **Low levels of vinyl chloride detected in groundwater** at locations KM-16 (3.8 µg/L) and KM-17 (9 µg/L). Vinyl chloride was not detected at concentrations above the cleanup levels in the other borings in the vicinity or in nearby monitoring wells KMW-1 and KMW-2, indicating that the vinyl chloride impact is limited to the northernmost part of the site and is observed in groundwater only, not soil. Additional monitoring of the northern groundwater monitoring wells KMW-1 and KMW-2 will be used to confirm that vinyl chloride has not been detected in groundwater since the 2009 sampling. VOCs were not detected at concentrations exceeding their cleanup levels in other samples collected from the site.

AMEC conducted a second round of groundwater sampling at the site in July 2011 and is currently awaiting results. In addition to the main constituents of concern, this sampling included several additional groundwater parameters to evaluate groundwater geochemistry, which could impact feasibility of the final cleanup remedy.

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15.0 REFERENCES

AMEC (AMEC Geomatrix), 2009a, Phase II Investigation Work Plan, Kelly-Moore Facility, Seattle, Washington.

AMEC, 2009b, Limited Phase II Environmental Site Assessment Report, Kelly-Moore Facility, Seattle, Washington, November.

AMEC, 2009c, 2009 Phase II Investigation Results Summary, Kelly-Moore Facility, 5400-5580 Airport Way South, Seattle, Washington, November 12.

AMEC, 2010a, Polychlorinated Biphenyl (PCB) Investigation and Cleanup Report, Kelly-Moore Facility, Seattle, Washington, January.

AMEC, 2010b, Underground Storage Tank Decommissioning Report, Kelly-Moore Facility, Seattle, Washington, February.

AMEC, 2010c, Addendum to PCB Investigation Report, Kelly-Moore Facility, Seattle, Washington, April 22.

AMEC, 2010d, email from Tasya Gray, AMEC, to Robert Stetson, Kelly Moore, Draft KM-16 Results, January 25.

AMEC, 2010e, Supplemental Phase II Investigation Results, Kelly-Moore Facility, Seattle, Washington, September 15.

AMEC, 2010f, Site Characterization Report and Data Gaps Work Plan, Kelly-Moore Facility, Seattle, Washington, December.

Ecology (Washington State Department of Ecology), 1994, Natural Background Soils Metals Concentrations in Washington State, Publication 94-115, October.

Ecology, 2011, Cleanup Levels and Risk Calculations (CLARC) Web site, accessed at https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx, accessed on November 1.

Hem, J.D., 1985, Study and interpretation of the chemical characteristics of natural water (3d ed.), U.S. Geological Survey Water-Supply Paper 2254.

HSDB (Hazardous Substances Data Bank), 2011, National Institute of Health, http://toxnet.nlm.nih.gov/.

King County Department of Health, 1998, Letter Peter Isaksen, King County to Kevin Hudson, Preservative Paint Company, July 29.

Potter and Simmons, 1998

PSC (Philip Services Corporation), 2003, Final Remedial Investigation Report, PSC Georgetown Facility, Seattle, Washington.

SEACOR (Science and Engineering Analysis Corporation), 1994, Phase I Environmental Site Assessment, Preservative Paints, 5400-5502 Airport Way South, Seattle, Washington, August 12.

SEACOR (SEACOR International Incorporated), 1997a, Phase I Environmental Site Assessment, Former Preservative Paints Office Building Parcel, 5502 Airport Way South, Seattle, Washington, August 29.

SEACOR (SEACOR International Incorporated), 1997b, Phase I Environmental Site Assessment Update, Preservative Paints Manufacturing Facility, 5400 Airport Way South, Seattle, Washington, November 21.

SEACOR, 1998, Underground Storage Tank Closure Site Assessment, Kelly-Moore Preservative Paint Company, 5400 Airport Way South, Seattle, Washington, June 18.

Wiedemeier, TH, CJ Newell, HS Rifai and JT Wilson, 1999, Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface, John Wiley and Sons, Inc., New York, New York.

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TABLE 3-1

FORMER INVESTIGATION SUMMARY
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Year	Report Title	Consultant	Summary	Chemical Constituents Analyzed
1994	Phase I Environmental Site Assessment	Science and Engineering Analysis Corporation (SEACOR)	Phase I ESA was conducted by Science and Engineering Analysis Corporation (SEACOR) in 1994 (SEACOR 1994).	1994- NA
1997	Phase I Environmental Site Assessment, Former Preservative Paints Office Building Parcel	Science and Engineering Analysis Corporation (SEACOR)	Phase I ESA was conducted in 1997 for 5502 Airport Way S (SEACOR 1997a).	1997- NA
1997	Phase I Environmental Site Assessment Update	Science and Engineering Analysis Corporation (SEACOR)	Phase I ESA was conducted in 1997 (SEACOR 1997b).	1997- NA
1997	Underground Storage Tank Closure Site Assessment	Science and Engineering Analysis Corporation (SEACOR)	UST tank removal and installation. Results described in the report, as well as associated soil sampling conducted during the project (SEACOR, 1998).	TPH-Gx, PCBs, VOCs, Metals
2009	Underground Storage Tank Decommissioning Report	AMEC	In October, 2009, AMEC oversaw the decommissioning and removal of nine USTs and appurtenant piping, and removal of other historical piping associated with former USTs at the site. AMEC described the results of the project, as well as associated soil and groundwater sampling conducted during the project (AMEC, 2010b).	TPH, SVOCs, PCBs, VOCs, Metals
2009	Limited Phase II Environmental Site Assessment Report	AMEC	A limited Phase II was conducted by AMEC in 2009 to provide a preliminary evaluation of soil and groundwater conditions at the site and identify the type and magnitude of potential environmental releases, in light of historical property uses and limited prior soil sampling.	TPH as Lube Oil, TPH-Gx, VOCs, SVOCs, Total Metals, PCBs

TABLE 3-1

FORMER INVESTIGATION SUMMARY
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Year	Report Title	Consultant	Summary	Chemical Constituents Analyzed
2008	Polychlorinated Biphenyl (PCB) Investigation and Cleanup Report,	AMEC	Facility Polychlorinated Biphenyl (PCB) Investigation and Cleanup: Beginning in 2008, AMEC assisted Kelly-Moore in evaluating and remediating PCBs at the site (AMEC, 2010a), including an investigation of PCB concentrations in buildings, concrete flooring, and soil; scarification of concrete flooring in Buildings 6 and 7; and temporary institutional controls to seal off Building 8 and prevent human exposure to PCBs.	PCBs
2009	2009 Phase II Investigation Results Summary	AMEC	In December 2009, AMEC completed additional direct-push sampling to further investigate the extent of selected constituents detected in groundwater at the north end of the property in Building 3.	VOCs, SVOCs, Metals, PCBs
2010	Supplemental Phase II Investigation Results Summary	AMEC	A supplemental Phase II investigation at the site in August 2010 (AMEC, 2010c), consisting of soil and groundwater sampling to evaluate conditions underneath the southern warehouse building.	VOCs, SVOCs, Metals, PCBs
2011	Site Characterization Report and Data Gaps Work Plan	AMEC	In March 2011, AMEC completed additional direct-push sampling to further delineate the extent of selected constituents detected in soil and groundwater on the property. In addition, five groundwater monitoring wells were also installed to serve long-term groundwater monitoring needs.	VOCs, TPH-Gx, BTEX, PAHs, As, Cr, Pb, PCBs

Abbreviations
As = arsenic
BTEX = benzene, toluene, ethylbenzene, and xylenes
Cr = chromium
Pb = lead
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
TPH-Gx = gasoline
VOCs = volatile organic compounds

TABLE 3-2

CONSTRUCTION DETAILS FOR GROUNDWATER MONITORING WELLS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Well Identification	Drilling Method	Installation Date	Total Borehole Depth (feet bgs)	Total Well Depth (feet bgs)	Diameter (inches)	Material	Screen Slot Size	Screen Interval (feet bgs)	Filter Pack Sand Type	Filter Pack Interval (feet bgs)	Seal Interval (feet bgs)	Surface Seal
KMW-1	HSA	3/23/2011	14	14	0.75	Sch. 40 PVC	0.01	4 - 14	2/12 Silica	3 - 14	2 - 3	Flush Mount
KMW-2	HSA	3/18/2011	14.5	14.5	2	Sch. 40 PVC	0.01	4.25 - 14.25	2/12 Silica	3 - 14.5	2 - 3	Flush Mount
KMW-3	HSA	3/18/2011	13.5	13.5	2	Sch. 40 PVC	0.01	3.25 - 13.25	2/12 Silica	2.5 - 13.5	1.5 - 2.5	Flush Mount
KMW-4	HSA	3/17/2011	13.5	13.5	2	Sch. 40 PVC	0.01	3 - 13	2/12 Silica	2.5 - 13.5	1.5 - 2.5	Flush Mount
KMW-5	HSA	3/17/2011	13.5	13.5	2	Sch. 40 PVC	0.01	3.25 - 13.25	2/12 Silica	2.5 - 13.5	1.5 - 2.5	Flush Mount

Abbreviations
bgs = below ground surface
HSA = hollow-stem auger
NA = not applicable
PVC = polyvinyl chloride

TABLE 3-3

MONITORING WELL SURVEY DATA

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Well Name	WCS North Zone NAD 83(91)		Ground Surface Elevation	Top of Casing Elevation
	Northing	Easting		
KMW-01	205697.7	1272963.2	19.70	19.37
KMW-02	205801.8	1272957.4	20.12	19.79
KMW-03	205535.1	1273154.5	18.92	18.64
KMW-04	205423.6	1273115.1	18.99	18.64
KMW-05	205516.0	1273217.0	19.19	18.88

Notes

1. Coordinate System and Zone: Washington State Plane, North Zone Coordinates.
   Horizontal Datum: NAD 83(91), North Zone, US FEET.
   Vertical Datum: NAVD88, US FEET.
2. To convert elevations shown hereon to NGVD29 elevations subtract add 3.59 feet.
3. Survey completed on May 12, 2011 by Duane Hartman and Associates.

Abbreviations

WCS = Washington Coordinate System

TABLE 3-4

CONSTITUENTS OF POTENTIAL CONCERN
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Medium	Constituent Class	Constituent Detected
Soil	TPH	Diesel Range Organics
		Lube Oil
		Gasoline Range Organics
	Metals	Arsenic
		Cadmium
		Chromium
		Copper
		Lead
		Mercury
		Nickel
		Zinc
	PCBs	Aroclor 1254
		Aroclor 1260
	VOCs	1,1-Dichloroethane
		1,2,4-Trimethylbenzene
		1,3,5-Trimethylbenzene
		2-Butanone
		Acetone
		Benzene
		Carbon disulfide
		Ethylbenzene
		Isopropylbenzene
		Methyl Isobutyl Ketone
		Methylene Chloride
		Naphthalene
		m,p-Xylene
		o-Xylene
		n-Butylbenzene
		n-Propylbenzene
		p-Isopropyltoluene
		sec-Butylbenzene
		tert-Butylbenzene
		Tetrachloroethene
		Toluene
		Trichloroethene
		Trichloroflouromethane
	SVOCs	(3+4)-Methylphenol (m,p-Cresol)
		2,4-Dimethylphenol
		2-Methylphenol (o-Cresol)
		Acenapthene
		Acenaphthylene
		Anthracene
		Benzo[a]anthracene
		Benzo[a]pyrene
		Benzo[b]fluoranthene
		Benzo[g,h,i]perylene
		Benzo[k]fluoranthene
		Bis(2-ethylhexyl)phthalate
		bis-2-Ethylhexyladipate
		Carbazole
		Chrysene
		Dibenz[a,h]anthracene
		Dibenzofuran
		Flouranthene
		Flourene
		Indeno[1,2,3-cd]pyrene
		1-Methylnaphthalene
		2-Methylnaphthalene
		Naphthalene
		Phenanthrene
		Pyrene

TABLE 3-4

CONSTITUENTS OF POTENTIAL CONCERN
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Medium	Constituent Class	Constituent Detected
Groundwater	TPH	Diesel Range Organics
		Lube Oil
		Gasoline Range Organics
	Metals	Arsenic
		Chromium
		Copper
		Lead
		Mercury
		Nickel
		Zinc
	VOCs	(cis) 1,2-Dichloroethene
		(trans) 1,2-dichloroethene
		1,1,1-Trichloroethane
		1,2-Dichloroethane
		1,3,5-Trimethylbenzene
		Benzene
		Chloroform
		Ethylbenzene
		Isopropylbenzene
		Naphthalene
		n-Butylbenzene
		n-Propylbenzene
		m,p-Xylene
		o-Xylene
		p-Isopropyltoluene
		sec-Butylbenzene
		tert-Butylbenzene
		Toluene
		Trichloroethene
		Trichlorofluoromethane
		Vinyl Chloride
	SVOCs	(3+4)-Methylphenol (m,p-Cresol)
		1,4-Dinitrobenzene
		2,4-Dimethylphenol
		2-Methylphenol (o-Cresol)
		Acenaphthene
		Acenaphthylene
		Anthracene
		Benzo[a]anthracene
		Benzo[a]pyrene
		Benzo[b]fluoranthene
		Benzo[g,h,i]perylene
		Benzo[k]fluoranthene
		bis(2-Ethylhexyl)phthalate
		Carbazole
		Chrysene
		Dibenz[a,h]anthracene
		Dibenzofuran
		Dimethylphthalate
		Di-n-octylphthalate
		Fluoranthene
		Fluorene
		Indeno[1,2,3-cd]pyrene
		1-Methylnaphthalene
		2-Methylnaphthalene
		Naphthalene
		Phenanthrene
		Pyrene

Abbreviations
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds

TABLE 3-5

2009-2010 SOIL AND GROUNDWATER SAMPLE SUMMARY
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (ft bgs)	Date Sampled	Reference	Metals	TPH		VOCs	BTEX	SVOCs	PCBs
					Gasoline	Diesel/ Lube Oil				
SOIL SAMPLES										
B7-Trench-1	2.5	11/24/2009	AMEC, 2010b	x	x	x	x		x	x
B7-Trench-2	2.5	11/24/2009	AMEC, 2010b	x	x	x	x		x	x
B7-Trench-3	2.5	11/24/2009	AMEC, 2010b	x	x	x	x		x	x
Containment-E-Wall	9.5	10/27/2009	AMEC, 2010b	x	x	x	x		x	
Containment-N-Wall	9.5	10/27/2009	AMEC, 2010b	x	x	x	x		x	
Containment-S-Wall	9.5	10/27/2009	AMEC, 2010b	x	x	x	x		x	
Containment-W-Wall	9.5	10/28/2009	AMEC, 2010b	x	x	x	x		x	
Pipe-1	5.5	10/28/2009	AMEC, 2010b	x	x	x	x		x	
Pipe-C1	5.5	11/17/2009	AMEC, 2010b	x	x	x	x		x	
Product-E1-Wall	9	10/22/2009	AMEC, 2010b	x	x	x	x		x	
Product-E2-Wall	9	10/22/2009	AMEC, 2010b	x	x	x	x		x	
Product-N-Wall	9	10/22/2009	AMEC, 2010b	x	x	x	x		x	
Product-S-Wall	9	10/20/2009	AMEC, 2010b	x	x	x	x		x	
Product-W1b-Wall	9.5	11/13/2009	AMEC, 2010b	x	x	x	x		x	
Product-W2b-Wall	9.5	11/13/2009	AMEC, 2010b	x	x	x	x		x	
Tank1-B	9.5	10/27/2009	AMEC, 2010b	x	x	x	x		x	
Tank 2-B	9.5	10/27/2009	AMEC, 2010b	x	x	x	x		x	
Tank3-B	9.5	10/20/2009	AMEC, 2010b	x	x	x	x		x	
Tank4-B2	10.5	11/13/2009	AMEC, 2010b				x			
Tank 5-B	9.5	10/21/2009	AMEC, 2010b	x	x	x	x		x	
Tank 6-B	9.5	10/21/2009	AMEC, 2010b	x	x	x	x		x	
Tank 7-B	9.5	10/22/2009	AMEC, 2010b	x	x	x	x		x	
Tank 8-B	9.5	10/22/2009	AMEC, 2010b	x	x	x	x		x	
Tank 9-B	9.5	10/22/2009	AMEC, 2010b	x	x	x	x		x	
TP4	1	11/13/2009	AMEC, 2010b	x	x	x	x		x	
	8	11/13/2009	AMEC, 2010b	x	x	x	x		x	
KM-1	1.5 - 2	8/5/2009	AMEC, 2009b	x	x	x	x		x	x
	5.5 - 6	8/5/2009	AMEC, 2009b	x [1]						
KM-2	1.5 - 2	8/5/2009	AMEC, 2009b	x	x	x	x		x	x
KM-5	2 - 2.5	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
	6 - 6.5	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
KM-6	1.5 - 2	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
	4 - 4.2	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
KM-7	1.8 - 2	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
	6.8 - 7	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
KM-8	1.8 - 2	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
	6.8 - 7	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
KM-9	1.8 - 2	8/5/2009	AMEC, 2009b	x	x	x	x		x	x
KM-10	1.2 - 1.5	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
	5.2 - 5.5	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
KM-11	1.8 - 2	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
	6.8 - 7	8/6/2009	AMEC, 2009b		x			x		
KM-12	1.8 - 2	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
KM-13	1.2 - 1.5	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
KM-14	1.8 - 2	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
KM-15	3.8 - 4	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
KM-16	3.8 - 4	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
	7.8 - 8	8/6/2009	AMEC, 2009b		x		x			
KM-17	1.5 - 2	12/23/2009	AMEC, 2010d				x			
	6.2 - 6.8	12/23/2009	AMEC, 2010d				x			
KM-19	3.5 - 4	12/23/2009	AMEC, 2010d		x		x			
	6 - 6.5	12/23/2009	AMEC, 2010d		x		x			

TABLE 3-5

2009-2010 SOIL AND GROUNDWATER SAMPLE SUMMARY
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (ft bgs)	Date Sampled	Reference	Metals	TPH		VOCs	BTEX	SVOCs	PCBs
					Gasoline	Diesel/ Lube Oil				
SOIL SAMPLES (Continued)										
KM-20	1 - 1.2	12/23/2009	AMEC, 2010d				x			
	6.5 - 7	12/23/2009	AMEC, 2009b				x			
KM-22	12.5 - 13	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
	6.5 - 7	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
KM-23	10.5 - 11	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
	7.5 - 8	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
KM-24	10.5 - 11	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
	7.5 - 8	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
KM-25	10.5 - 11	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
KM-26	11 - 11.5	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
	8 - 8.5	8/23/2010	AMEC, 2010c	x	x	x	x		x	x
KM-27	10.5 - 11	8/24/2010	AMEC, 2010c	x	x	x	x		x	x
	8 - 8.5	8/24/2010	AMEC, 2010c	x	x	x	x		x	x
KM-28	10.5 - 11	8/24/2010	AMEC, 2010c	x	x	x	x		x	x
	8.5 - 9	8/24/2010	AMEC, 2010c	x	x	x	x		x	x
KM-29	10.5 - 11	8/24/2010	AMEC, 2010c	x	x	x	x		x	x
	7.5 - 8	8/24/2010	AMEC, 2010c	x	x	x	x		x	x
KM-30	2 - 2.5	3/23/2011	AMEC, 2011		x		x		x	
	4.75 - 5.25	3/23/2011	AMEC, 2011		x		x		x	
KM-31	2.5 - 3	3/22/2011	AMEC, 2011		x		x		x	
KM-32	2.5 - 3	3/22/2011	AMEC, 2011		x		x		x	
KM-33	4 - 4.5	3/22/2011	AMEC, 2011		x			x	x	
KM-34	2 - 2.5	3/21/2011	AMEC, 2011		x			x	x	
	4 - 4.5	3/21/2011	AMEC, 2011		x			x	x	
KM-35	2 - 2.5	3/22/2011	AMEC, 2011		x			x	x	
	6.5 - 7	3/22/2011	AMEC, 2011		x			x	x	
KM-36	2 - 2.5	3/21/2011	AMEC, 2011		x			x	x	
	5.5 - 6	3/21/2011	AMEC, 2011		x			x	x	
KM-37	2 - 2.5	3/21/2011	AMEC, 2011		x			x	x	
	5 - 5.5	3/21/2011	AMEC, 2011		x			x	x	
KM-38	1.5 - 2	3/23/2011	AMEC, 2011							x
	4.5 - 5	3/23/2011	AMEC, 2011							x
KM-39	2.25 - 2.75	3/24/2011	AMEC, 2011		x			x	x	x
	4.5 - 5	3/24/2011	AMEC, 2011		x			x	x	x
KM-40	1.5 - 2	3/21/2011	AMEC, 2011		x			x		x
	4 - 4.5	3/21/2011	AMEC, 2011		x			x		x
KM-41	2.75 - 3.25	3/24/2011	AMEC, 2011		x		x		x	x
	4.25 - 4.75	3/24/2011	AMEC, 2011		x		x		x	x
KM-42	1.75 - 2.25	3/24/2011	AMEC, 2011							x
	4.5 - 5	3/24/2011	AMEC, 2011							x
KM-43	1.5 - 2	3/23/2011	AMEC, 2011							x
KMW-2	5 - 5.5	3/18/2011	AMEC, 2011						x	
KMW-4	2 - 2.5	3/17/2011	AMEC, 2011		x			x	x	
	4.5 - 5	3/17/2011	AMEC, 2011		x			x	x	
KM09-8-78	~3	8/31/2009	AMEC, 2010a							x
KM09-8-79	~3	8/31/2009	AMEC, 2010a							x

TABLE 3-5

2009-2010 SOIL AND GROUNDWATER SAMPLE SUMMARY
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample Location	Depth (ft bgs)	Date Sampled	Reference	Metals	TPH		VOCs	BTEX	SVOCs	PCBs
					Gasoline	Diesel/ Lube Oil				
GROUNDWATER SAMPLES										
KM-1	10 - 14	8/5/2009	AMEC, 2009b	x	x	x	x		x	x
KM-2	8 - 12	8/5/2009	AMEC, 2009b	x	x	x	x		x	x
KM-5	10 - 14	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
KM-7	10 - 14	8/7/2009	AMEC, 2009b	x	x	x	x		x	x
KM-8	10 - 14	8/7/2009	AMEC, 2009b				x			
KM-9	10 - 14	8/5/2009	AMEC, 2009b	x	x	x	x		x	x
KM-10	10 - 14	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
KM-14	10 - 14	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
KM-16	10 - 14	8/6/2009	AMEC, 2009b	x	x	x	x		x	x
KM-17	7.5 - 11.5	12/23/2009	AMEC, 2010d		x		x		x[2]	
KM-18	7.5 - 11.5	12/23/2009	AMEC, 2010d				x			
KM-19	7.5 - 11.5	12/23/2009	AMEC, 2010d		x		x		x[2]	
KM-20	7.5 - 11.5	12/23/2009	AMEC, 2010d		x		x		x[2]	
KM-21	7.5 - 11.5	12/23/2009	AMEC, 2010d		x		x			
KM-22	10 - 14	8/23/2010	AMEC, 2010b	x	x		x		x	
KM-25	10 - 14	8/23/2010	AMEC, 2010b	x	x		x		x	
KM-27	10 - 14	8/24/2010	AMEC, 2010b	x	x		x		x	
KM-29	10 - 14	8/24/2010	AMEC, 2010b	x	x		x		x	
KM-30	5 - 10	3/23/2011	AMEC, 2011		x		x		x	
KM-31	5 - 10	3/22/2011	AMEC, 2011		x		x		x	
KM-32	5 - 10	3/22/2011	AMEC, 2011		x		x		x	
KM-33	4 - 9	3/22/2011	AMEC, 2011	x	x			x	x	
KM-34	4 - 9	3/21/2011	AMEC, 2011	x	x			x	x	
KM-35	7 - 12	3/22/2011	AMEC, 2011	x	x			x	x	
KM-36	5 - 10	3/21/2011	AMEC, 2011	x	x			x	x	
KM-37	4 - 9	3/21/2011	AMEC, 2011	x	x			x	x	
KM-39	5 - 10	3/24/2011	AMEC, 2011	x	x			x	x	
KM-41	5 - 10	3/24/2011	AMEC, 2011	x	x		x		x	
KMW-1	4 - 14	3/28/2011	AMEC, 2011	x	x		x		x	
KMW-2	4.25 - 14.25	3/28/2011	AMEC, 2011	x	x		x		x	
KMW-3	3.25 - 13.25	3/28/2011	AMEC, 2011	x	x			x	x	
KMW-4	3 - 13	3/28/2011	AMEC, 2011	x	x			x	x	
KMW-5	3.25 - 13.25	3/28/2011	AMEC, 2011	x	x			x	x	
Contain-GW	~9.5	10/27/2009	AMEC, 2010b	x	x	x	x		x	
Product-GW	~9.5	10/22/2009	AMEC, 2010b	x	x	x	x		x	

Notes
1. Only analyzed for lead.
2. Only analyzed for cPAHs.

Abbreviations
BTEX = benzene, toulene, ethylbenzne, and xylene
cPAH = carcinogenic polycyclic aromatic hydrocarbons
ft bgs = feet below ground surface
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds

TABLE 3-6

SOIL ANALYTICAL RESULTS - METALS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North				Central							
Sample Location	KM-13	KM-14	KM-15	KM-16	B7-Trench-1	B7-Trench-2	B7-Trench-3	Containment-E-Wall	Containment-N-Wall		Containment-S-Wall	Containment-W-Wall
Depth (ft bgs)	1.2-1.5	1.8-2	3.8-4	3.8-4	2.5	2.5	2.5	9.5	9.5	9.5	9.5	9.5
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/6/2009	1/24/2009	1/24/2009	1/24/2009	10/27/2009	10/27/2009	10/28/2009	10/27/2009	10/28/2009
Metals (mg/kg)												
Aluminum	--	--	--	--	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	11 U	11 U	15	14	11 U	11 U	11 U	12 U	13 U	17 U	12 U	12 U
Barium	35	92	390	400	37	39	93	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.53 U	0.56 U	0.6 U	0.54 U	0.54 U	0.56 U	1.8	0.59 U	0.63 U	0.87 U	0.61 U	0.58 U
Chromium	23	21	26	44	19	16	15	21	7.2	26	24	12
Copper	--	--	--	--	--	--	--	13	7	39	11	20
Lead	5.3 U	66	410	14	34	25	200	5.9 U	6.3 U	21	6.1 U	34
Mercury	0.26 U	0.28 U	0.83	0.27 U	0.28	0.28 U	0.28 U	0.3 U	0.31 U	0.44 U	0.3 U	0.29 U
Nickel	--	--	--	--	--	--	--	25	4.1	25	27	12
Selenium	11 U	11 U	12 U	11 U	11 U	11 U	11 U	--	--	--	--	--
Silver	0.53 U	0.56 U	0.6 U	0.54 U	0.54 U	0.56 U	0.56 U	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	31	17	100	26	55

TABLE 3-6

SOIL ANALYTICAL RESULTS - METALS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)											
Sample Location	Pipe-C1	Product-E1-Wall	Product-E2-Wall	Product-N-Wall	Product-S-Wall	Product-W1b-Wall	Product-W2b-Wall	Tank-1-B	Tank-2-B	Tank-3-B	Tank-5-B	Tank-6-B
Depth (ft bgs)	5.5	9	9	9	9	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Sample Date	1/17/2009	10/22/2009	10/22/2009	10/22/2009	10/20/2009	5/3/2010	5/3/2010	10/27/2009	10/27/2009	10/20/2009	10/21/2009	10/21/2009
Metals (mg/kg)												
Aluminum	--	--	--	--	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	11 U	11 U	12 U	13 U	12 U	11 U	11 U	13 U	12 U	12 U	12 U	11 U
Barium	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.56 U	0.56 U	0.58 U	0.64 U	0.61 U	0.56 U	0.54 U	0.65 U	0.62 U	0.58 U	0.6 U	0.56 U
Chromium	18	13	18	7.2	5.6	9	9.4	9.5	8.9	16	11	7.8
Copper	15	28	26	9.3	5.3	7.2	8.8	8.9	9.5	26	25	9.3
Lead	9.8	5.6 U	5.8 U	6.4 U	6.1 U	5.6 U	5.4 U	6.5 U	6.2 U	5.8 U	6 U	5.6 U
Mercury	0.28 U	0.28 U	0.29 U	0.32 U	0.3 U	0.28 U	0.27 U	0.32 U	0.31 U	0.29 U	0.3 U	0.28 U
Nickel	22	13	14	6.6	5.2	6.9	9.3	11	11	15	12	8.8
Selenium	--	--	--	--	--	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	68	24	25	140	14	16	17	21	23	27	23	25

TABLE 3-6

SOIL ANALYTICAL RESULTS - METALS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)													
Sample Location	Tank-7-B	Tank-8-B	Tank-9-B	TP4		KM-5		KM-6		KM-7		KM-8		KM-9
Depth (ft bgs)	9.5	9.5	9.5	1	8	2-2.5	6-6.5	1.5-2	4-4.2	1.8-2	6.8-7	1.8-2	6.8-7	1.5-2
Sample Date	10/22/2009	10/22/2009	10/22/2009	5/3/2010	5/3/2010	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/5/2009
Metals (mg/kg)														
Aluminum	--	--	--	--	4	--	--	--	--	--	--	--	--	--
Antimony	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	11 U	12 U	12 U	14 U	11 U	13 U	11 U	11 U	11 U	15 U	11 U	13 U	11 U	11 U
Barium	--	--	--	--	--	24	20	37	26	75	41	61	28	--
Beryllium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.57 U	0.59 U	0.61 U	0.68 U	0.55 U	0.64 U	0.53 U	0.54 U	0.53 U	0.74 U	0.57 U	0.65 U	0.54 U	0.54 U
Chromium	13	15	17	13	6.8	6.1	6.3	10	8.4	32	8	20	7.4	6.2
Copper	33	30	13	110	8.1	--	--	--	--	--	--	--	--	8.5
Lead	5.7 U	5.9 U	7.2	52	5.5 U	6.4 U	5.3 U	5.4 U	5.3 U	24	5.7 U	12	5.4 U	5.4 U
Mercury	0.29 U	0.29 U	0.31 U	0.34 U	0.28 U	0.32 U	0.26 U	0.27 U	0.27 U	0.37 U	0.29 U	0.32 U	0.27 U	0.27 U
Nickel	13	15	22	25	6.8	--	--	--	--	--	--	--	--	5.9
Selenium	--	--	--	--	--	13 U	11 U	11 U	11 U	15 U	11 U	13 U	11 U	--
Silver	--	--	--	--	--	0.64 U	0.53 U	0.54 U	0.53 U	0.74 U	0.57 U	0.65 U	0.54 U	--
Zinc	29	27	95	67	18	--	--	--	--	--	--	--	--	16

TABLE 3-6

SOIL ANALYTICAL RESULTS - METALS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)													
Sample Location	KM-10		KM-11	KM-12	KM-22		KM-23		KM-24		KM-25	KM-26		NE
Depth (ft bgs)	1.2-1.5	5.2-5.5	1.8-2	1.8-2	6.5-7	12.5-13	7.5-8	10.5-11	7.5-8	10.5-11	10.5-11	8-8.5	11-11.5	6
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/7/2009	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	3/18/1998
Metals (mg/kg)														
Aluminum	--	--	--	--	--	--	--	--	--	--	--	--	--	8,820
Antimony	--	--	--	--	--	--	--	--	--	--	--	--	--	0.5 U
Arsenic	10 U	11 U	13 U	11 U	13 U	12 U	11 U	12 U	11 U	12 U	11 U	10 U	12 U	2.21
Barium	110	26	380	16	--	--	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	1.8	0.53 U	0.63 U	0.53 U	0.64 U	0.59 U	0.53 U	0.58 U	0.55 U	0.61 U	0.56 U	1.9	0.58 U	0.5 U
Chromium	110	7.4	9.4	7	21	8.1	8.6	6.5	8.3	8.2	31	7.3	5.8	--
Copper	--	--	--	--	86	8.8	23	9.6	10	8.1	24	8.1	8.9	--
Lead	*700*	17	44	5.3 U	190	5.9 U	20	5.8 U	9.6	6.1 U	32	5.2 U	5.8 U	--
Mercury	0.26 U	0.27 U	0.32 U	0.26 U	0.32 U	0.29 U	0.26 U	0.29 U	0.27 U	0.3 U	0.28 U	0.26 U	0.29 U	--
Nickel	--	--	--	--	31	6.9	9.2	7	8.9	6.7	14	8.1	5.8	--
Selenium	10 U	11 U	13 U	11 U	--	--	--	--	--	--	--	--	--	0.5 U
Silver	0.52 U	0.53 U	0.63 U	0.53 U	--	--	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	110	18	36	17	29	18	34	23	14	--

TABLE 3-6

SOIL ANALYTICAL RESULTS - METALS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)		South								
Sample Location	SE	E	KM-1		KM-2	KM-27		KM-28		KM-29	
Depth (ft bgs)	6	6	1.5-2	5.5-6	1.5-2	8-8.5	10.5-11	8.5-9	10.5-11	7.5-8	10.5-11
Sample Date	3/18/1998	3/18/1998	8/5/2009	8/5/2009	8/5/2009	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010
Metals (mg/kg)											
Aluminum	6,450	7,630	--	--	--	--	--	--	--	--	--
Antimony	0.5 U	0.5 U	--	--	--	--	--	--	--	--	--
Arsenic	2.02	2.19	13 U	--	11 U	11 U	12 U	11 U	11 U	11 U	11 U
Barium	--	--	--	--	--	--	--	--	--	--	--
Beryllium	--	--	--	--	--	--	--	--	--	--	--
Cadmium	0.5 U	0.5 U	1.8	--	0.73	0.53 U	0.59 U	0.55 U	0.55 U	0.53 U	0.54 U
Chromium	--	--	17	--	10	7.2	6.5	6.8	6	7	7.3
Copper	--	--	59	--	21	8.8	9.3	8.8	8.4	8.9	8.1
Lead	--	--	*370*	5.3 U	26	5.3 U	5.9 U	5.5 U	5.5 U	5.3 U	5.4 U
Mercury	--	--	0.31 U	--	0.26 U	0.26 U	0.3 U	0.27 U	0.27 U	0.27 U	0.27 U
Nickel	--	--	14	--	9.1	7	6.4	7.6	6.2	8	7.6
Selenium	0.5 U	0.5 U	--	--	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--	--	--	--	--
Zinc	--	--	150	--	40	14	15	40	17	15	14

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed

Abbreviations
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram

TABLE 3-7

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North											Central		
Sample Location	KM-13	KM-14	KM-15	KM-16		KM-19		KM-30		KM-31	KM-32	B7-Trench-1	B7-Trench-2	B7-Trench-3
Depth (ft bgs)	1.2-1.5	1.8-2	3.8-4	3.8-4	7.8-8	3.5-4	6-6.5	2-2.5	4.75-5.25	2.5-3	2.5-3	2.5	2.5	2.5
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	12/23/2009	12/23/2009	3/23/2011	3/23/2011	3/22/2011	3/22/2011	11/24/2009	11/24/2009	11/24/2009
TPH (mg/kg)														
Diesel Range Organics	26 U	35	38	27 U	--	--	--	--	--	--	--	21,000	6,500	380
Lube Oil	53 U	130	210	160	--	--	--	--	--	--	--	320	450	1,400
Gasoline Range Organics	5.4 U	8	7.2 U	5.9 U	5.2 UJ	430	8,200	400	6000	5.3 U	5.1 U	30,000	33,000	72
Mineral Spirit	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3-7

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)												
Sample Location	Containment-E-Wall	Containment-N-Wall	Containment-S-Wall	Containment-W-Wall	Pipe-1	Pipe-C1	Product-E1-Wall	Product-E2-Wall	Product-N-Wall	Product-S-Wall	Product-W1b-Wall	Product-W2b-Wall	Tank-1-B
Depth (ft bgs)	9.5	9.5	9.5	9.5	5.5	5.5	9	9	9	9	9.5	9.5	9.5
Sample Date	10/27/2009	10/27/2009	10/27/2009	10/28/2009	10/28/2009	1/17/2009	10/22/2009	10/22/2009	10/22/2009	10/20/2009	1/13/2009	1/13/2009	10/27/2009
TPH (mg/kg)													
Diesel Range Organics	30 U	31 U	41 U	29 U	44 U	28 U	28 U	29 U	32 U	30 U	28 U	97 U	44 U
Lube Oil	220	63 U	61 U	240	200	56 U	56 U	58 U	64 U	61 U	56 U	54 U	65 U
Gasoline Range Organics	58	16	88	150	18	15	6.7 U	6.3 U	100	9.8	120	760	7.4 U
Mineral Spirit	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3-7

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)														
Sample Location	Tank-2-B	Tank-3-B	Tank-5-B	Tank-6-B	Tank-7-B	Tank-8-B	Tank-9-B	TP4		KM-5		KM-6		KM-7	
Depth (ft bgs)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	1	8	2-2.5	6-6.5	1.5-2	4-4.2	1.8-2	6.8-7
Sample Date	10/27/2009	10/20/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009	1/13/2009	1/13/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009
TPH (mg/kg)															
Diesel Range Organics	31 U	29 U	30 U	30	29 U	29 U	88 U	34 U	54 U	32 U	840 U	27 U	36 U	94 U	920 U
Lube Oil	62 U	58 U	60 U	56 U	57 U	59 U	61 U	68 U	55 U	64 U	53 U	54 U	53 U	97	57 U
Gasoline Range Organics	54	6.7 U	7.6 U	180	5.3 U	7 U	28	8.3 U	970	35	4,400	110	1,200	1,200	2,300
Mineral Spirit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3-7

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)														
Sample Location	KM-8		KM-9	KM-10		KM-11		KM-12	KM-22		KM-23		KM-24		KM-25
Depth (ft bgs)	1.8-2	6.8-7	1.5-2	1.2-1.5	5.2-5.5	1.8-2	6.8-7	1.8-2	6.5-7	12.5-13	7.5-8	10.5-11	7.5-8	10.5-11	10.5-11
Sample Date	8/7/2009	8/7/2009	8/5/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/7/2009	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010
TPH (mg/kg)															
Diesel Range Organics	34	2,200 U	27 U	5,600	2,700	1,100	--	26 U	150 U	29 U	26 U	29 U	27 U	30 U	39
Lube Oil	140	54 U	54 U	2,200	280	440	--	53 U	290	59 U	53 U	58 U	55 U	61 U	100
Gasoline Range Organics	80	8,400	5.2 U	11,000	5,400	300	5.1 U	5 U	350	30	14	44	5.9 U	6.9 U	6.1 U
Mineral Spirit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3-7

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)																
Sample Location	KM-26		KM-33	KM-34		KM-35		KM-36		KM-37		KM-39	KM-39 (DUP)	KM-39	KM-40	
Depth (ft bgs)	8-8.5	11-11.5	4-4.5	2-2.5	4-4.5	2-2.5	6.5-7	2-2.5	6-6.5	2-2.5	5-5.5	2-2.75	2-2.75	4.5-5	1.5-2	4-4.5
Sample Date	8/23/2010	8/23/2010	3/22/2011	3/21/2011	3/21/2011	3/22/2011	3/22/2011	3/21/2011	3/21/2011	3/21/2011	3/21/2011	3/24/2011	3/24/2011	3/24/2011	3/21/2011	3/21/2011
TPH (mg/kg)																
Diesel Range Organics	26 U	29 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lube Oil	52 U	58 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics	5.2 U	6.8 U	3300	5.4 U	5.2 U	4 U	5.1 U	360	94	28	81	4,800	4,900	990	250	280
Mineral Spirit	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3-7

SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)							South							
Sample Location	KM-41		KMW-04		NE	SE	E	KM-1	KM-2	KM-27		KM-28		KM-29	
Depth (ft bgs)	2.75-3.25	4.25-4.75	2-2.5	4.5-5	6	6	6	1.5-2	1.5-2	8-8.5	10.5-11	8.5-9	10.5-11	7.5-8	10.5-11
Sample Date	3/24/2011	3/24/2011	3/17/2011	3/17/2011	3/18/1998	3/18/1998	3/18/1998	8/5/2009	8/5/2009	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010
TPH (mg/kg)															
Diesel Range Organics	--	--	--	--	--	--	--	35	26 U	27 U	30 U	28 U	28 U	27 U	27 U
Lube Oil	--	--	--	--	--	--	--	330	53 U	53 U	59 U	55 U	55 U	53 U	54 U
Gasoline Range Organics	560	8,300	27	5.3 U	--	--	--	8.1 U	5.4 U	5.4 U	6.8 U	5.7 U	6.2 U	5.6 U	6 U
Mineral Spirit	--	--	--	--	5.51	5 U	5 U	--	--	--	--	--	--	--	--

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.

TABLE 3-8

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North															Central						
Sample ID	KM-13	KM-14	KM-15	KM-16		KM-17		KM-19		KM-20		KM-30		KM-31	KM-32	B7-Trench-1	B7-Trench-2	B7-Trench-3	Containment-E-Wall	Containment-N-Wall	Containment-S-Wall	Containment-W-Wall
Depth (ft bgs)	1.2-1.5	1.8-2	3.8-4	3.8-4	7.8-8	1.5-2	6.2-6.8	3.5-4	6-6.5	1-1.2	6.5-7	2-2.5	4.75-5.25	2.5-3	2.5-3	2.5	2.5	2.5	9.5	9.5	9.5	9.5
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	12/23/2009	12/23/2009	12/23/2009	12/23/2009	12/23/2009	12/23/2009	3/23/2011	3/23/2011	3/22/2011	3/22/2011	11/24/2009	11/24/2009	11/24/2009	10/27/2009	10/27/2009	10/27/2009	10/28/2009
VOCs (mg/kg)																						
cis -1,2-Dichloroethene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
cis -1,3-Dichloropropene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
trans -1,2-Dichloroethene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
trans -1,3-Dichloropropene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,1,1,2-Tetrachloroethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,1,1-Trichloroethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,1,2,2-Tetrachloroethane	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
1,1,2-Trichloroethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,1-Dichloroethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,1-Dichloroethene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,1-Dichloropropene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,2,3-Trichlorobenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,2,3-Trichloropropane	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
1,2,4-Trichlorobenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
1,2,4-Trimethylbenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	62 J	210	0.0018 J	0.14	0.057	2.5	0.057 J
1,2-Dibromo-3-chloropropane	0.0049 U	0.0051 U	0.0059 UJ	0.0064 UJ	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 UJ	0.33 U	0.005 U	6.7 U	0.0065 U
1,2-Dibromoethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,2-Dichlorobenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
1,2-Dichloroethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,2-Dichloropropane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,3,5-Trimethylbenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	20 J	54	0.0013 J	0.065 U	0.023	1.4	0.029 J
1,3-Dichlorobenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
1,3-Dichloropropane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
1,4-Dichlorobenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
2,2-Dichloropropane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
2-Butanone	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	14	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
2-Chloroethyl vinyl ether	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
2-Chlorotoluene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
2-Hexanone	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
4-Chlorotoluene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
Acetone	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 U	0.33 U	0.034	6.7 U	0.15 J
Benzene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.0016	1.3 U	0.002 J
Bromobenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0013 U
Bromochloromethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Bromodichloromethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Bromoform	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Bromomethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Carbon disulfide	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Carbon tetrachloride	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Chlorobenzene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Chloroethane	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
Chloroform	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Chloromethane	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
Dibromochloromethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Dibromomethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Dichlorodifluoromethane	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Ethylbenzene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.8 J	890	0.0022	0.5	0.71	41	0.072 J
Hexachlorobutadiene	0.0049 U	0.0051 U	0.0059 UJ	0.0064 UJ	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 UJ	0.33 U	0.005 U	6.7 U	0.0065 U
Iodomethane	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
Isopropylbenzene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	22	0.0012 U	0.0012 U	0.055 U	4.2	0.0011 U	0.001 U	1.4 J	20	0.0012 U	1.5	0.035	1.3 U	0.044 J
Methyl isobutyl ketone	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	25	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
Methyl t-butyl ether	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Methylene chloride	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
Naphthalene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.19	0.48 U	0.0011 U	0.001 U	1.1 U	17	0.0012 UJ	0.075	0.007	1.3 U	0.013 J
n-Butylbenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	29	0.0012 U	0.0012 U	0.11	7	0.0011 U	0.001 U	10 J	21	0.0012 UJ	0.52	0.0054	1.3 U	0.0013 U

TABLE 3-8

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North														Central						
Sample ID	KM-13	KM-14	KM-15	KM-16		KM-17		KM-19		KM-20		KM-30		KM-31	KM-32	B7-Trench-1	B7-Trench-2	B7-Trench-3	Containment-E-Wall	Containment-N-Wall	Containment-S-Wall	Containment-W-Wall
Depth (ft bgs)	1.2-1.5	1.8-2	3.8-4	3.8-4	7.8-8	1.5-2	6.2-6.8	3.5-4	6-6.5	1-1.2	6.5-7	2-2.5	4.75-5.25	2.5-3	2.5-3	2.5	2.5	2.5	9.5	9.5	9.5	9.5
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	12/23/2009	12/23/2009	12/23/2009	12/23/2009	12/23/2009	12/23/2009	3/23/2011	3/23/2011	3/22/2011	3/22/2011	11/24/2009	11/24/2009	11/24/2009	10/27/2009	10/27/2009	10/27/2009	10/28/2009
VOCs (mg/kg)																						
n-Propylbenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	57	0.0012 U	0.0012 U	0.055 U	6.7	0.0011 U	0.001 U	4.8 J	28	0.0012 UJ	2.2	0.061	1.3 U	0.047 J
m,p-Xylene	0.0019 U	0.002 U	0.0024 U	0.0026 U	0.0024 UJ	0.0023 U	0.0031 U	0.17 U	0.66 U	0.0025 U	0.0024 U	0.11 U	0.95 U	0.0022 U	0.002 U	17 J	4,400	0.021	1	0.99	150	0.25 J
o-Xylene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	3.6 J	1,100	0.008	0.065 U	0.21	28	0.11 J
Total xylenes	0.0024	0.0015	0.0018	0.002	0.0018	0.0018	0.0023	0.13	0.5	0.0019	0.0018	--	--	--	--	20.6	5,500	0.029	1.032	1.2	178	0.36
p-Isopropyltoluene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	3 J	11	0.0012 UJ	0.065 U	0.0018	1.3 U	0.004 J
sec-Butylbenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	38	0.0012 U	0.0012 U	0.12	14	0.0011 U	0.001 U	2.2 J	9.6	0.0012 UJ	0.38	0.0058	1.3 U	0.017 J
Styrene	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
tert-Butylbenzene	0.00097 U	0.001 U	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	2	0.0012 U	0.0012 U	0.055 U	0.86	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 UJ	0.065 U	0.001 U	1.3 U	0.0022 J
Tetrachloroethene	0.00097 U	0.001 U	0.0043	0.0013 U	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.0016	1.1 U	1.2 U	0.0035	0.065 U	0.001 U	1.3 U	0.0013 U
Toluene	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	11 J	140	0.0058 U	0.33 U	0.059	6.7 U	0.0065 U
Trichloroethene	0.00097 U	0.001 U	0.0012 U	0.011	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U
Trichlorofluoromethane	0.00097 U	0.0021	0.0024	0.002	0.0012 UJ	0.0012 U	0.0015 U	0.087 U	0.33 U	0.0012 U	0.0012 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.078	0.065 U	0.001 U	1.3 U	0.0013 U
Vinyl acetate	0.0049 U	0.0051 U	0.0059 U	0.0064 U	0.006 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.27 U	2.4 U	0.0055 U	0.005 U	5.5 U	6.2 U	0.0058 U	0.33 U	0.005 U	6.7 U	0.0065 U
Vinyl chloride	0.00097 U	0.001 U	0.0012 U	0.0013 U	0.0012 UJ	0.0058 U	0.0077 U	0.43 U	1.6 U	0.0061 U	0.006 U	0.055 U	0.48 U	0.0011 U	0.001 U	1.1 U	1.2 U	0.0012 U	0.065 U	0.001 U	1.3 U	0.0013 U

TABLE 3-8

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)																									
Sample ID	Pipe-1	Pipe-C1	Product-E1-Wall	Product-E2-Wall	Product-N-Wall	Product-S-Wall	Product-W1b-Wall	Product-W2b-Wall	Tank-1-B	Tank-2-B	Tank-3-B	Tank-5-B	Tank-6-B	Tank-7-B	Tank-8-B	Tank-9-B	TP4		KM-5		KM-6		KM-7		KM-8	
Depth (ft bgs)	5.5	5.5	9	9	9	9	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	1	8	2-2.5	6-6.5	1.5-2	4-4.2	1.8-2	6.8-7	1.8-2	6.8-7
Sample Date	10/28/2009	11/17/2009	10/22/2009	10/22/2009	10/22/2009	10/20/2009	11/13/2009	11/13/2009	10/27/2009	10/27/2009	10/20/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009	11/13/2009	11/13/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009
VOCs (mg/kg)																										
cis-1,2-Dichloroethene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
cis-1,3-Dichloropropene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
trans-1,2-Dichloroethene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
trans-1,3-Dichloropropene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,1,1,2-Tetrachloroethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,1,1-Trichloroethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,1,2,2-Tetrachloroethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,1,2-Trichloroethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,1-Dichloroethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,1-Dichloroethene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,1-Dichloropropene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,2,3-Trichlorobenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,2,3-Trichloropropane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,2,4-Trichlorobenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,2,4-Trimethylbenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.042	0.12	0.0012 U	0.11	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	1	0.0016 U	0.3 U	0.064 U	1.3	3.6	0.072 U	0.16	27
1,2-Dibromo-3-chloropropane	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 UJ	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
1,2-Dibromoethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,2-Dichlorobenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,2-Dichloroethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,2-Dichloropropane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,3,5-Trimethylbenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.018	0.071	0.0012 U	0.13	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.45	0.0016 U	0.3 U	0.064 U	0.35	2 U	0.072 U	0.081 U	10
1,3-Dichlorobenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,3-Dichloropropane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
1,4-Dichlorobenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
2,2-Dichloropropane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
2-Butanone	0.0097 U	0.006	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.033	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.006	0.013 U	0.28 U	0.011	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
2-Chloroethyl vinyl ether	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
2-Chlorotoluene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
2-Hexanone	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
4-Chlorotoluene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Acetone	0.0097 U	0.036	0.0092	0.0089	0.37 U	0.032	0.21	0.3 U	0.028	0.055	0.014	0.016	0.28 U	3.5	10	0.04	0.013 U	0.28 U	0.076	1.5 U	0.32 U	0.31 U	9.9 U	0.36	0.41 U	12 U
Benzene	0.0036	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.13	2.4 U
Bromobenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Bromochloromethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Bromodichloromethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Bromoform	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Bromomethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Carbon disulfide	0.0019 U	0.0015	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0097	0.006	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Carbon tetrachloride	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Chlorobenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Chloroethane	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
Chloroform	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Chloromethane	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
Dibromochloromethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Dibromomethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Dichlorodifluoromethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Ethylbenzene	0.34	0.0011 U	0.001 U	0.0011 U	0.099	0.0014 U	0.67	1.2	0.009	1.3	0.019	0.0012	0.083	0.00093 U	0.0056	0.0012 U	0.0074	4.2	0.0061	23	0.064 U	8.3	57	0.072 U	0.45	330
Hexachlorobutadiene	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 UJ	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
Iodomethane	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
Isopropylbenzene	0.018	0.0011 U	0.0076	0.0011 U	0.42	0.0014 U	0.19	0.44	0.0072	0.12	0.00096 U	0.0011 U	0.073	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.68	0.015	1.6	0.064 U	0.77	2 U	0.25	0.085	6.4
Methyl isobutyl ketone	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	47	0.36 U	0.41 U	12 U
Methyl t-butyl ether	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Methylene chloride	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
Naphthalene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.003	0.059 U	0.0012 U	0.18	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.18	0.0038	0.3 U	0.064 U	0.21	2 U	0.072 U	0.14	2.4 U
n-Butylbenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.19	0.0014 U	0.038	0.087	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.55	0.064 U	0.062 U	2 U	0.19	0.081 U	2.4 U

TABLE 3-8

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)																									
Sample ID	Pipe-1	Pipe-C1	Product-E1-Wall	Product-E2-Wall	Product-N-Wall	Product-S-Wall	Product-W1b-Wall	Product-W2b-Wall	Tank-1-B	Tank-2-B	Tank-3-B	Tank-5-B	Tank-6-B	Tank-7-B	Tank-8-B	Tank-9-B	TP4		KM-5		KM-6		KM-7		KM-8	
Depth (ft bgs)	5.5	5.5	9	9	9	9	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	1	8	2-2.5	6-6.5	1.5-2	4-4.2	1.8-2	6.8-7	1.8-2	6.8-7
Sample Date	10/28/2009	11/17/2009	10/22/2009	10/22/2009	10/22/2009	10/20/2009	11/13/2009	11/13/2009	10/27/2009	10/27/2009	10/20/2009	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009	11/13/2009	11/13/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009
VOCs (mg/kg)																										
n-Propylbenzene	0.0019 U	0.0011 U	0.0038	0.0011 U	0.47	0.0014 U	0.33	0.52	0.0083	0.18	0.00096 U	0.0011 U	0.13	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	1.1	0.016	1.7	0.064 U	0.9	2 U	0.4	0.081 U	7.5
m,p-Xylene	1.2	0.0022 U	0.0021 U	0.0022 U	0.15 U	0.0027 U	0.018	2.1	0.011	2.6	0.089	0.005	0.28	0.0019 U	0.024	0.0024 U	0.014	5.1	0.0031 U	0.59 U	0.13 U	11	210	0.14 U	7.4	590
o-Xylene	0.31	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.28	0.0012 U	0.58	0.032	0.0017	0.055 U	0.00093 U	0.0086	0.0012 U	0.0027 U	0.32	0.0016 U	0.3 U	0.064 U	1.8	59	0.072 U	0.081 U	2.4 U
Total xylenes	1.51	0.0017	0.0016	0.0017	0.187	0.0021	0.0235	2.38	0.012	3.18	0.121	0.0067	0.31	0.0024	0.33	0.0018	0.015	5.42	0.0024	0.45	0.097	12.8	269	0.176	7.44	591
p-Isopropyltoluene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0072	0.059 U	0.0012 U	0.014	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.097	0.0016 U	0.3 U	0.064 U	0.088	2 U	0.072 U	0.081 U	2.4 U
sec-Butylbenzene	0.0019 U	0.0011 U	0.0012	0.0011 U	0.15	0.0014 U	0.063	0.093	0.0013	0.044	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.1	0.003	0.36	0.064 U	0.14	2 U	0.12	0.081 U	2.4 U
Styrene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
tert-Butylbenzene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0043	0.059 U	0.0012 U	0.0026	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 UJ	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Tetrachloroethene	0.0038	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Toluene	0.02	0.0054 U	0.014	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.47	0.0062 U	0.095	0.0048 U	0.03	0.3	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.33	1,200	0.36 U	0.41 U	12 U
Trichloroethene	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Trichlorofluoromethane	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U
Vinyl acetate	0.0097 U	0.0054 U	0.0052 U	0.0055 U	0.37 U	0.0069 U	0.0057 U	0.3 U	0.0062 U	0.0066 U	0.0048 U	0.0054 U	0.28 U	0.0046 U	0.0052 U	0.0059 U	0.013 U	0.28 U	0.0078 U	1.5 U	0.32 U	0.31 U	9.9 U	0.36 U	0.41 U	12 U
Vinyl chloride	0.0019 U	0.0011 U	0.001 U	0.0011 U	0.074 U	0.0014 U	0.0011 U	0.059 U	0.0012 U	0.0013 U	0.00096 U	0.0011 U	0.055 U	0.00093 U	0.001 U	0.0012 U	0.0027 U	0.056 U	0.0016 U	0.3 U	0.064 U	0.062 U	2 U	0.072 U	0.081 U	2.4 U

TABLE 3-8

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)																								
Sample ID	KM-9	KM-10		KM-11		KM-12	KM-22		KM-23		KM-24		KM-25	KM-26		KM-33	KM-34		KM-35		KM-36		KM-37	
Depth (ft bgs)	1.5-2	1.2-1.5	5.2-5.5	1.8-2	6.8-7	1.8-2	6.5-7	12.5-13	7.5-8	10.5-11	7.5-8	10.5-11	10.5-11	8-8.5	11-11.5	4-4.5	2-2.5	4-4.5	2-2.5	6.5-7	2-2.5	6-6.5	2-2.5	5-5.5
Sample Date	8/5/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/7/2009	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	3/22/2011	3/21/2011	3/21/2011	3/22/2011	3/22/2011	3/21/2011	3/21/2011	3/21/2011	3/21/2011
VOCs (mg/kg)																								
cis -1,2-Dichloroethene	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
cis -1,3-Dichloropropene	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
trans -1,2-Dichloroethene	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
trans -1,3-Dichloropropene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.024 U	0.067 U	0.006 U	0.011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	0.0013 U	1.2 U	0.31 U	0.02	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	0.0013 U	120	0.5	0.0088 J	--	0.0012 U	0.1	0.12	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	0.0067 U	5.8 U	1.6 U	0.0091 UJ	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	0.0013 U	39	0.31 U	0.0018 UJ	--	0.0012 U	0.045	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
2-Butanone	0.0067 U	5.8 U	1.6 U	0.0091 U	--	0.006 U	0.023	0.34 U	0.012	0.0057 U	0.0061 U	0.006 U	0.0088	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
2-Chloroethyl vinyl ether	0.0067 U	5.8 U	1.6 U	0.0091 U	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
2-Hexanone	0.0067 U	5.8 U	1.6 U	0.0091 UJ	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Acetone	0.0067 U	5.8 U	1.6 U	0.35	--	0.006 U	0.16	0.34 U	0.067	0.041	0.0061 U	0.006 U	0.058	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
Benzene	0.0013 U	1.2 U	0.31 U	0.0064	0.02 U	0.0012 U	0.0015	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.076 U	0.02 U	0.02 U	0.02 U	0.02 U	1.9	0.065	0.098	0.077
Bromobenzene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Bromochloromethane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Bromodichloromethane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Bromoform	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Bromomethane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Carbon disulfide	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0071	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Chlorobenzene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Chloroethane	0.0067 U	5.8 U	1.6 U	0.0091 U	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
Chloroform	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Chloromethane	0.0067 U	5.8 U	1.6 U	0.0091 U	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
Dibromochloromethane	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Dibromomethane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Ethylbenzene	0.0013 U	440	2.6	0.0032 J	0.051 U	0.0012 U	0.18	1.9	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	0.38 U	0.054 U	0.052 U	0.04 U	0.051 U	0.32	0.061 U	0.083 U	0.13 U
Hexachlorobutadiene	0.0067 U	5.8 U	1.6 U	0.0091 UJ	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
Iodomethane	0.0067 U	5.8 U	1.6 U	0.0091 U	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
Isopropylbenzene	0.0013 U	13	2.7	0.0018 UJ	--	0.0012 U	0.22	0.067 U	0.031	0.15	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Methyl isobutyl ketone	0.0067 U	5.8 U	1.6 U	0.0091 U	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
Methyl t-butyl ether	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Methylene chloride	0.0067 U	5.8 U	1.6 U	0.0091 U	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
Naphthalene	0.0013 U	150	1.9	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0021	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
n-Butylbenzene	0.0013 U	13	1.8	0.0018 UJ	--	0.0012 U	0.0051	0.067 U	0.0028	0.016	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--

TABLE 3-8

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)																								
Sample ID	KM-9	KM-10		KM-11		KM-12	KM-22		KM-23		KM-24		KM-25	KM-26		KM-33	KM-34		KM-35		KM-36		KM-37	
Depth (ft bgs)	1.5-2	1.2-1.5	5.2-5.5	1.8-2	6.8-7	1.8-2	6.5-7	12.5-13	7.5-8	10.5-11	7.5-8	10.5-11	10.5-11	8-8.5	11-11.5	4-4.5	2-2.5	4-4.5	2-2.5	6.5-7	2-2.5	6-6.5	2-2.5	5-5.5
Sample Date	8/5/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/7/2009	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	3/22/2011	3/21/2011	3/21/2011	3/22/2011	3/22/2011	3/21/2011	3/21/2011	3/21/2011	3/21/2011
VOCs (mg/kg)																								
n-Propylbenzene	0.0013 U	17	3.6	0.0018 UJ	--	0.0012 U	1.4	0.067 U	0.043	0.19	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
m,p-Xylene	0.0027 U	2,400	11	0.021 J	0.051 U	0.0024 U	2.3	6.4	0.0024 U	0.0023 U	0.0025 U	0.0024 U	0.0053	0.0029 U	0.0024 U	1.9 U	0.054 U	0.052 U	0.04 U	0.051 U	3.2	0.2	0.35	0.23
o-Xylene	0.0013 U	660	2.7	0.0056 J	0.051 U	0.0012 U	0.0088	2.5	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0022	0.0014 U	0.0012 U	1.9 U	0.054 U	0.052 U	0.04 U	0.051 U	0.31 U	0.31 U	0.083 U	0.13 U
Total xylenes	0.002	3,060	13.7	0.027	--	0.0018	2.39	8.9	0.0018	0.0017	0.0019	0.0018	0.0075	0.0022	0.0018	--	--	--	--	--	3.2	0.2	0.35	0.23
p-Isopropyltoluene	0.0013 U	9.7	0.31 U	0.006 J	--	0.0012 U	0.0068	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	0.0013 U	7.3	1.1	0.0079 J	--	0.0012 U	0.023	0.067 U	0.0065	0.025	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Styrene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	0.0013 U	1.2 U	0.31 U	0.0072 J	--	0.0012 U	0.0026	0.067 U	0.0012 U	0.0027	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Tetrachloroethene	0.0013 U	1.2 U	0.31 U	0.0018 UJ	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Toluene	0.0067 U	37	1.6 U	0.0091 U	0.051 U	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	0.38 U	0.054 U	0.052 U	0.04 U	0.051 U	0.53	0.061 U	0.083 U	0.13 U
Trichloroethene	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	0.0026	1.2 U	0.31 U	0.0042	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--
Vinyl acetate	0.0067 U	5.8 U	1.6 U	0.0091 U	--	0.006 U	0.0059 U	0.34 U	0.0061 U	0.0057 U	0.0061 U	0.006 U	0.0051 U	0.0072 U	0.0061 U	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.0013 U	1.2 U	0.31 U	0.0018 U	--	0.0012 U	0.0012 U	0.067 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.001 U	0.0014 U	0.0012 U	--	--	--	--	--	--	--	--	--

TABLE 3-8

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)												South							
Sample ID	KM-39	KM-39 (DUP)	KM-39	KM-40		KM-41		KMW-04		NE	SE	E	KM-1	KM-2	KM-27		KM-28		KM-29	
Depth (ft bgs)	2-2.75	2-2.75	4.5-5	1.5-2	4-4.5	2.75-3.25	4.25-4.75	2-2.5	4.5-5	6	6	6	1.5-2	1.5-2	8-8.5	10.5-11	8.5-9	10.5-11	7.5-8	10.5-11
Sample Date	3/24/2011	3/24/2011	3/24/2011	3/21/2011	3/21/2011	3/24/2011	3/24/2011	3/17/2011	3/17/2011	3/18/1998	3/18/1998	3/18/1998	8/5/2009	8/5/2009	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010
VOCs (mg/kg)																				
cis -1,2-Dichloroethene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
cis -1,3-Dichloropropene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
trans -1,2-Dichloroethene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
trans -1,3-Dichloropropene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,1,1,2-Tetrachloroethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,1,1-Trichloroethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,1,2,2-Tetrachloroethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,1,2-Trichloroethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,1-Dichloroethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,1-Dichloroethene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,1-Dichloropropene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,2,3-Trichlorobenzene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,2,3-Trichloropropane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,2,4-Trichlorobenzene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,2,4-Trimethylbenzene	--	--	--	--	--	11	2.5	--	--	0.1 U	0.1 U	0.1 U	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,2-Dibromo-3-chloropropane	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.0069 UJ	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
1,2-Dibromoethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,2-Dichlorobenzene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,2-Dichloroethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,2-Dichloropropane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,3,5-Trimethylbenzene	--	--	--	--	--	8	1.2	--	--	0.4 U	0.4 U	0.4 U	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,3-Dichlorobenzene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,3-Dichloropropane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
1,4-Dichlorobenzene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
2,2-Dichloropropane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
2-Butanone	--	--	--	--	--	2.8 U	2.2 U	--	--	2 U	2 U	2 U	0.022	0.0052 U	0.019	0.0066 U	0.0092	0.0057 U	0.0063 U	0.0064 U
2-Chloroethyl vinyl ether	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
2-Chlorotoluene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
2-Hexanone	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
4-Chlorotoluene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Acetone	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.16	0.0052 U	0.12	0.028	0.041	0.0057 U	0.0063 U	0.0064 U
Benzene	0.53	0.47	0.021 U	0.58	0.3	0.56 U	0.43 U	0.02 U	0.02 U	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Bromobenzene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Bromochloromethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Bromodichloromethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Bromoform	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Bromomethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Carbon disulfide	--	--	--	--	--	0.56 U	0.43 U	--	--	0.1 U	0.1 U	0.188	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Carbon tetrachloride	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Chlorobenzene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Chloroethane	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
Chloroform	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Chloromethane	--	--	--	--	--	2.8 U	2.2 U	--	--	0.1 U	0.1 U	0.1 U	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
Dibromochloromethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Dibromomethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Dichlorodifluoromethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Ethylbenzene	26	20	0.11 U	7.1	2.7	2.9	0.71	1.2	0.053 U	0.1 U	0.1 U	0.1 U	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Hexachlorobutadiene	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.0069 UJ	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
Iodomethane	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
Isopropylbenzene	--	--	--	--	--	1.8	1.6	--	--	0.1 U	0.1 U	0.1 U	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Methyl isobutyl ketone	--	--	--	--	--	2.8 U	2.2 U	--	--	2 U	2 U	2 U	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
Methyl t-butyl ether	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Methylene chloride	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.013	0.0057 U	0.0063 U	0.0064 U
Naphthalene	--	--	--	--	--	9	10	--	--	0.1 U	0.1 U	0.1 U	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
n-Butylbenzene	--	--	--	--	--	0.56 U	1.9	--	--	0.1 U	0.1 U	0.1 U	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U

TABLE 3-8

SOIL ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)												South							
Sample ID	KM-39	KM-39 (DUP)	KM-39	KM-40		KM-41		KMW-04		NE	SE	E	KM-1	KM-2	KM-27		KM-28		KM-29	
Depth (ft bgs)	2-2.75	2-2.75	4.5-5	1.5-2	4-4.5	2.75-3.25	4.25-4.75	2-2.5	4.5-5	6	6	6	1.5-2	1.5-2	8-8.5	10.5-11	8.5-9	10.5-11	7.5-8	10.5-11
Sample Date	3/24/2011	3/24/2011	3/24/2011	3/21/2011	3/21/2011	3/24/2011	3/24/2011	3/17/2011	3/17/2011	3/18/1998	3/18/1998	3/18/1998	8/5/2009	8/5/2009	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010
VOCs (mg/kg)																				
n-Propylbenzene	--	--	--	--	--	1.6	2.7	--	--	0.1 U	0.1 U	0.1 U	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
m,p-Xylene	49	42	1.3	25	9.1	19	3.5	0.65	0.053 U	--	--	--	0.0028 U	0.0021 U	0.0024 U	0.0026 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U
o-Xylene	3.3 U	3.1 U	0.55 U	0.22	0.33	11	1.6	0.085	0.053 U	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Total xylenes	49	42	1.3	25.22	9.43	30	5.1	0.735	--	0.238	0.2 U	0.2 U	0.0021	0.0016	0.0018	0.002	0.0019	0.0017	0.0019	0.002
p-Isopropyltoluene	--	--	--	--	--	2.3	0.62	--	--	0.1 U	0.1 U	0.1 U	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
sec-Butylbenzene	--	--	--	--	--	1.9	1.5	--	--	0.1 U	0.1 U	0.1 U	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Styrene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
tert-Butylbenzene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 UJ	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Tetrachloroethene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Toluene	4.8	4.9	0.11 U	0.56	1.8	2.8 U	2.2 U	0.079	0.053 U	0.1 U	0.1 U	0.1 U	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
Trichloroethene	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Trichlorofluoromethane	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.0036	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U
Vinyl acetate	--	--	--	--	--	2.8 U	2.2 U	--	--	--	--	--	0.0069 U	0.0052 U	0.0059 U	0.0066 U	0.0062 U	0.0057 U	0.0063 U	0.0064 U
Vinyl chloride	--	--	--	--	--	0.56 U	0.43 U	--	--	--	--	--	0.0014 U	0.001 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U

Notes
1. Data flags are as follows:
J = concentration shown is an estimate.
U = analyte not detected at or above laboratory reporting limit indicated.
UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
-- = not analyzed

Abbreviations
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
MTCA = Model Toxics Control Act
NA = not available
VOCs = volatile organic compounds

TABLE 3-9

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North										Central											
Sample Location	KM-13	KM-14	KM-15	KM-16		KM-30		KM-31	KM-32	KMW-02	B7-Trench-1	B7-Trench-2	B7-Trench-3	Containment-E-Wall	Containment-N-Wall	Containment-S-Wall	Containment-W-Wall	Pipe-1	Pipe-C1	Product-E1-Wall	Product-E2-Wall	Product-N-Wall
Depth (ft bgs)	1.2-1.5	1.8-2	3.8-4	3.8-4	7.8-8	2-2.5	4.75-5.25	2.5-3	2.5-3	5-5.5	2.5	2.5	2.5	9.5	9.5	9.5	9.5	5.5	5.5	9	9	9
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	3/23/2011	3/23/2011	3/22/2011	3/22/2011	3/18/2011	11/24/2009	11/24/2009	11/24/2009	10/27/2009	10/27/2009	10/27/2009	10/28/2009	10/28/2009	1/17/2009	10/22/2009	10/22/2009	10/22/2009
SVOCs (mg/kg)																						
(3+4)-Methylphenol (m,p-Cresol)	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.22	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1,2,4-Trichlorobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1,2-Dichlorobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1,2-Dinitrobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1,2-Diphenylhydrazine	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1,3-Dichlorobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1,3-Dinitrobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1,4-Dichlorobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1,4-Dinitrobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,3,4,6-Tetrachlorophenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,3,5,6-Tetrachlorophenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,3-Dichloroaniline	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,4,5-Trichlorophenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,4,6-Trichlorophenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,4-Dichlorophenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,4-Dimethylphenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.22	0.04 U	0.042 U	0.13	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,4-Dinitrophenol	0.18 U	0.19 U	0.2 U	0.91 U	0.18 UJ	--	--	--	--	--	0.9 U	0.94 UJ	0.94 U	0.2 U	0.21 U	0.2 U	0.19 U	0.29 U	0.19 U	0.19 U	0.19 U	0.21 U
2,4-Dinitrotoluene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2,6-Dinitrotoluene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2-Chloronaphthalene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2-Chlorophenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2-Methylphenol (o-Cresol)	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2-Nitroaniline	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
2-Nitrophenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
3,3'-Dichlorobenzidine	0.35 U	0.37 U	0.4 U	1.8 U	0.35 UJ	--	--	--	--	--	1.8 U	1.9 UJ	1.9 U	0.4 U	0.42 U	0.41 U	0.39 U	0.57 U	0.37 U	0.37 U	0.38 U	0.42 U
3-Nitroaniline	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
4,6-Dinitro-2-methylphenol	0.18 U	0.19 U	0.2 U	0.91 U	0.18 UJ	--	--	--	--	--	0.9 U	0.94 UJ	0.94 U	0.2 U	0.21 U	0.2 U	0.19 U	0.29 U	0.19 U	0.19 U	0.19 U	0.21 U
4-Bromophenyl phenyl ether	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
4-Chloro-3-methylphenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
4-Chloroaniline	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
4-Chlorophenyl phenyl ether	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
4-Nitroaniline	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
4-Nitrophenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Acenaphthene	0.007 U	0.048	0.0099	0.19	0.014 UJ	0.18	0.92	0.0073 U	0.069	0.026	0.19	0.51 J	0.2	0.58	0.0083 U	0.051	0.83	0.011 U	0.01	0.0075 U	0.0077 U	0.025
Acenaphthylene	0.007 U	0.017	0.062	0.0072 U	0.014 UJ	0.053	0.47 U	0.01	0.0073 U	0.0085 U	0.18 U	0.19 UJ	2.4	0.04 U	0.0083 U	0.0081 U	0.039 U	0.011 U	0.0075 U	0.0075 U	0.0077 U	0.0084 U
Aniline	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Anthracene	0.007 U	0.043	0.084	0.2	0.014 UJ	0.18	0.56	0.022	0.73 U	0.03	0.18 U	0.19 UJ	5.9	0.49	0.0083 U	0.064	0.95	0.011 U	0.021	0.0075 U	0.0077 U	0.064
Benzidine	0.35 U	0.37 U	0.4 U	1.8 U	0.35 UJ	--	--	--	--	--	1.8 U	1.9 UJ	1.9 U	0.4 U	0.42 U	0.41 U	0.39 U	0.57 U	0.37 U	0.37 U	0.38 U	0.42 U
Benzo[a]anthracene	0.007 U	0.12	0.19	2.6	0.014 UJ	0.37	1.5	0.19	23	0.23	2	7.4 J	20	0.32	0.0083 U	0.046	0.67	0.017	0.028	0.0075 U	0.0077 U	0.16
Benzo[a]pyrene	0.007 U	0.15	0.24	3.5	0.014 UJ	0.37	1.4	0.25	24	0.35	2	7.2 J	21	0.3	0.0083 U	0.042	0.68	0.025	0.039	0.0075 U	0.0077 U	0.13
Benzo[b]fluoranthene	0.007 U	0.14	0.34	8.3	0.014 UJ	0.48	1.7	0.15	28	0.42	2.8	12 J	22	0.38	0.0083 U	0.062	0.82	0.037	0.038	0.0075 U	0.0077 U	0.18
Benzo[g,h,i]perylene	0.007 U	0.14	0.3	5.2	0.014 UJ	0.4	1.1	0.32	16	0.38	1.6	7.2 J	16	0.23	0.0083 U	0.034	0.51	0.031	0.041	0.0075 U	0.0077 U	0.079
Benzo[k]fluoranthene	0.007 U	0.11	0.2	3.6	0.014 UJ	0.39	1.2	0.1	23	0.3	2.3	6.9 J	19	0.14	0.0083 U	0.016	0.29	0.013	0.029	0.0075 U	0.0077 U	0.063
Benzyl alcohol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
bis(2-Chloroethoxy)methane	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
bis(2-Chloroethyl) ether	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
bis(2-Chloroisopropyl) ether	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
bis(2-Ethylhexyl) phthalate	0.035 U	0.042	0.052	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.17	0.042 U	0.041 U	0.099	0.057 U	0.2	0.037 U	0.038 U	0.042 U
bis-2-Ethylhexyl adipate	0.035 U	0.037 U	0.04 U	0.18 U	0.095 J	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Butyl benzyl phthalate	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U

TABLE 3-9

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North										Central											
Sample Location	KM-13	KM-14	KM-15	KM-16		KM-30		KM-31	KM-32	KMW-02	B7-Trench-1	B7-Trench-2	B7-Trench-3	Containment-E-Wall	Containment-N-Wall	Containment-S-Wall	Containment-W-Wall	Pipe-1	Pipe-C1	Product-E1-Wall	Product-E2-Wall	Product-N-Wall
Depth (ft bgs)	1.2-1.5	1.8-2	3.8-4	3.8-4	7.8-8	2-2.5	4.75-5.25	2.5-3	2.5-3	5-5.5	2.5	2.5	2.5	9.5	9.5	9.5	9.5	5.5	5.5	9	9	9
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/6/2009	8/6/2009	3/23/2011	3/23/2011	3/22/2011	3/22/2011	3/18/2011	11/24/2009	11/24/2009	11/24/2009	10/27/2009	10/27/2009	10/27/2009	10/28/2009	10/28/2009	1/17/2009	10/22/2009	10/22/2009	10/22/2009
SVOCs (mg/kg)																						
Carbazole	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.49	0.22	0.042 U	0.041 U	0.32	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Chrysene	0.007 U	0.16	0.27	4	0.014 UJ	0.54	2.1	0.23	29	0.34	2.7	12 J	24	0.35	0.0083 U	0.058	0.76	0.023	0.044	0.0075 U	0.0077 U	0.23
Dibenz[a,h]anthracene	0.007 U	0.04	0.081	2.1	0.014 UJ	0.12	0.47 U	0.16	5.5	0.11	0.64	3 J	5	0.06	0.0083 U	0.01	0.13	0.011 U	0.01	0.0075 U	0.0077 U	0.024
Dibenzofuran	0.035 U	0.037 U	0.044	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.27 J	0.4	0.29	0.042 U	0.041 U	0.41	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Diethyl phthalate	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Dimethyl phthalate	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Di-n-butyl phthalate	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Di-n-octyl phthalate	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Fluoranthene	0.007 U	0.21	0.3	2	0.014 UJ	0.72	2.8	0.14	21	0.35	2.5	7.1 J	29	1.2	0.0083 U	0.16	2.2	0.045	0.082	0.0075 U	0.0077 U	0.52
Fluorene	0.007 U	0.023	0.013	0.073	0.014 UJ	0.25	0.71	0.0073 U	0.038	0.012	0.18 U	0.33 J	1.5	0.46	0.0083 U	0.045	0.62	0.011 U	0.0093	0.0075 U	0.0077 U	0.05
Hexachlorobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Hexachlorobutadiene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Hexachlorocyclopentadiene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Hexachloroethane	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Indeno[1,2,3-cd]pyrene	0.007 U	0.11	0.24	4.6	0.014 UJ	0.33	0.82	0.14	15	0.3	1.4	6.4 J	14	0.22	0.0083 U	0.028	0.46	0.024	0.029	0.0075 U	0.0077 U	0.062
Isophorone	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
1-Methylnaphthalene	0.007 U	0.04	0.086	0.023	0.014 UJ	0.47	1.5	0.0073 U	0.018	0.0085 U	3.6 U	3.7 UJ	0.24	0.081	0.0083 U	0.0098	0.15	0.013	0.0075 U	0.0075 U	0.0077 U	0.012
2-Methylnaphthalene	0.007 U	0.042	0.11	0.036	0.014 UJ	0.73	1.7	0.0073 U	0.024	0.0085 U	3.6 U	7.4 J	0.46	0.15	0.0083 U	0.016	0.28	0.011	0.0075 U	0.0075 U	0.0077 U	0.019
Naphthalene	0.007 U	0.025	0.086	0.07	0.014 UJ	1.2	1.3	0.0073 U	0.041	0.015	3.6 U	26 J	1.3	0.079	0.0083 U	0.033	0.12	0.012	0.0075 U	0.0075 U	0.0077 U	0.028
Nitrobenzene	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
N-Nitrosodimethylamine	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
N-Nitroso-di-n-propylamine	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
N-Nitrosodiphenylamine	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	0.18 U	0.19 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Pentachlorophenol	0.18 U	0.19 U	0.2 U	0.91 U	0.18 UJ	--	--	--	--	--	0.9 U	0.94 UJ	0.94 U	0.2 U	0.21 U	0.2 U	0.19 U	0.29 U	0.19 U	0.19 U	0.19 U	0.21 U
Phenanthrene	0.007 U	0.16	0.2	0.89	0.014 UJ	1	3.2	0.12	4	0.15	0.65	1.6 J	10	2	0.0083 U	0.2	2.9	0.037	0.041	0.0075 U	0.0077 U	0.75
Phenol	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
Pyrene	0.007 U	0.24	0.29	1.9	0.014 UJ	0.74	2.5	0.19	21	0.31	2.2	6.4 J	27	0.95	0.0083 U	0.13	1.8	0.049	0.074	0.0075 U	0.0077 U	0.44
Pyridine	0.035 U	0.037 U	0.04 U	0.18 U	0.035 UJ	--	--	--	--	--	3.6 U	3.7 UJ	0.19 U	0.04 U	0.042 U	0.041 U	0.039 U	0.057 U	0.037 U	0.037 U	0.038 U	0.042 U
cPAHs TEQ [2]	0.005 U	0.20	0.35	5.7	0.011 U	0.54	2.0	0.33	34	0.49	2.94	10.9	29.2	0.42	0.006 U	0.059	0.92	0.03	0.05	0.006 U	0.006 U	0.18

TABLE 3-9

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central																						
Sample Location	Product-S-Wall	Product-W1b-Wall	Product-W2b-Wall	Tank-1-B	Tank-2-B	Tank-3-B	Tank-4-B2	Tank-5-B	Tank-6-B	Tank-7-B	Tank-8-B	Tank-9-B	TP4		KM-5		KM-6		KM-7		KM-8		KM-9
Depth (ft bgs)	9	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	1	8	2-2.5	6-6.5	1.5-2	4-4.2	1.8-2	6.8-7	1.8-2	6.8-7	1.5-2
Sample Date	10/20/2009	5/3/2010	5/3/2010	10/27/2009	10/27/2009	10/20/2009	5/3/2010	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009	11/13/2009	11/13/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/5/2009
SVOCs (mg/kg)																							
(3+4)-Methylphenol (m,p-Cresol)	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	4.1	0.19 U	0.43 U	0.36 U	0.036 U
1,2,4-Trichlorobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
1,2-Dichlorobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
1,2-Dinitrobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
1,2-Diphenylhydrazine	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
1,3-Dichlorobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
1,3-Dinitrobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
1,4-Dichlorobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
1,4-Dinitrobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,3,4,6-Tetrachlorophenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,3,5,6-Tetrachlorophenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,3-Dichloroaniline	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,4,5-Trichlorophenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,4,6-Trichlorophenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,4-Dichlorophenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,4-Dimethylphenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,4-Dinitrophenol	0.2 U	0.19 U	0.18 U	0.22 U	0.21 U	0.19 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.19 U	0.23 U	0.18 U	1.1 U	0.88 U	0.9 U	0.89 U	2.5 U	0.96 U	2.2 U	1.8 U	0.18 U
2,4-Dinitrotoluene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2,6-Dinitrotoluene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2-Chloronaphthalene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2-Chlorophenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2-Methylphenol (o-Cresol)	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	3.5	0.19 U	0.43 U	0.36 U	0.036 U
2-Nitroaniline	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
2-Nitrophenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
3,3'-Dichlorobenzidine	0.41 U	0.37 U	0.36 U	0.43 U	0.42 U	0.39 U	0.4 U	0.4 U	0.37 U	0.38 U	0.39 U	0.37 U	0.46 U	0.37 U	2.1 U	1.8 U	1.8 U	1.8 U	4.9 U	1.9 U	4.3 U	3.6 U	0.36 U
3-Nitroaniline	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
4,6-Dinitro-2-methylphenol	0.2 U	0.19 U	0.18 U	0.22 U	0.21 U	0.19 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.19 U	0.23 U	0.18 U	1.1 U	0.88 U	0.9 U	0.89 U	2.5 U	0.96 U	2.2 U	1.8 U	0.18 U
4-Bromophenyl phenyl ether	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
4-Chloro-3-methylphenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
4-Chloroaniline	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
4-Chlorophenyl phenyl ether	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
4-Nitroaniline	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
4-Nitrophenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Acenaphthene	0.0081 U	0.0075 U	0.0072 U	0.69	0.0083 U	0.0078 U	0.0079 U	0.0079 U	0.0075 U	0.0076 U	0.0078 U	0.052	0.0091 U	0.0073 U	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.013	0.011	0.0072 U
Acenaphthylene	0.0081 U	0.0075 U	0.0072 U	0.043 U	0.0083 U	0.0078 U	0.0079 U	0.0079 U	0.0075 U	0.0076 U	0.0078 U	0.0074 U	0.0091 U	0.0073 U	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.032	0.0072 U	0.0072 U
Aniline	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Anthracene	0.0081 U	0.0075 U	0.014	0.043 U	0.0083 U	0.01	0.0079 U	0.0079 U	0.022	0.0076 U	0.0078 U	0.041	0.0091 U	0.0084	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.13	0.0072 U	0.0072 U
Benzidine	0.41 U	0.37 U	0.36 U	0.43 U	0.42 U	0.39 U	0.4 U	0.4 U	0.37 U	0.38 U	0.39 U	0.37 U	0.46 U	0.37 U	2.1 U	1.8 U	1.8 U	1.8 U	4.9 U	1.9 U	4.3 U	3.6 U	0.36 U
Benzo[a]anthracene	0.0081 U	0.0075 U	0.043	0.068	0.0083 U	0.061	0.045	0.0079 U	0.1	0.011	0.022	0.086	0.034	0.017	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.46	0.012	0.0072 U
Benzo[a]pyrene	0.0081 U	0.0075 U	0.058	0.09	0.0083 U	0.079	0.054	0.0079 U	0.09	0.013	0.025	0.084	0.055	0.013	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.81	0.014	0.0072 U
Benzo[b]fluoranthene	0.0088	0.0075 U	0.044	0.12	0.0083 U	0.13	0.076	0.0079 U	0.12	0.024	0.066	0.11	0.061	0.016	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.49	0.017	0.0072 U
Benzo[g,h,i]perylene	0.0081 U	0.0075 U	0.049	0.085	0.0083 U	0.08	0.055	0.0079 U	0.061	0.011	0.024	0.069	0.05	0.012	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.72	0.011	0.0072 U
Benzo[k]fluoranthene	0.0081 U	0.0075 U	0.043	0.043 U	0.0083 U	0.043	0.057	0.0079 U	0.037	0.0076 U	0.016	0.037	0.04	0.013	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.5	0.0072 U	0.0072 U
Benzyl alcohol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
bis(2-Chloroethoxy)methane	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
bis(2-Chloroethyl) ether	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
bis(2-Chloroisopropyl) ether	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
bis(2-Ethylhexyl) phthalate	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.049	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
bis-2-Ethylhexyl adipate	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Butyl benzyl phthalate	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U

TABLE 3-9

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central																						
Sample Location	Product-S-Wall	Product-W1b-Wall	Product-W2b-Wall	Tank-1-B	Tank-2-B	Tank-3-B	Tank-4-B2	Tank-5-B	Tank-6-B	Tank-7-B	Tank-8-B	Tank-9-B	TP4		KM-5		KM-6		KM-7		KM-8		KM-9
Depth (ft bgs)	9	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	1	8	2-2.5	6-6.5	1.5-2	4-4.2	1.8-2	6.8-7	1.8-2	6.8-7	1.5-2
Sample Date	10/20/2009	5/3/2010	5/3/2010	10/27/2009	10/27/2009	10/20/2009	5/3/2010	10/21/2009	10/21/2009	10/22/2009	10/22/2009	10/22/2009	11/13/2009	11/13/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/5/2009
SVOCs (mg/kg)																							
Carbazole	0.041 U	0.037 U	0.036 U	0.33	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.041	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Chrysene	0.0081 U	0.0075 U	0.054	0.083	0.0083 U	0.083	0.065	0.0079 U	0.12	0.014	0.041	0.11	0.05	0.02	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.64	0.013	0.0072 U
Dibenz[a,h]anthracene	0.0081 U	0.0075 U	0.0083	0.043 U	0.0083 U	0.02	0.012	0.0079 U	0.017	0.0076 U	0.0093	0.015	0.011	0.0073 U	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.1	0.0072 U	0.0072 U
Dibenzofuran	0.041 U	0.037 U	0.036 U	0.17	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Diethyl phthalate	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Dimethyl phthalate	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Di-n-butyl phthalate	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Di-n-octyl phthalate	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Fluoranthene	0.017	0.0098	0.11	0.095	0.0083 U	0.1	0.049	0.0079 U	0.25	0.0098	0.018	0.28	0.055	0.046	0.0085 U	0.01	0.011	0.012	0.025	0.0077 U	1.1	0.04	0.0072 U
Fluorene	0.0081 U	0.0075 U	0.0076	0.27	0.0083 U	0.0078 U	0.0079 U	0.0079 U	0.01	0.0076 U	0.0078 U	0.058	0.0091 U	0.0093	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.034	0.01	0.0072 U
Hexachlorobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Hexachlorobutadiene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Hexachlorocyclopentadiene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Hexachloroethane	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Indeno[1,2,3-cd]pyrene	0.0081 U	0.0075 U	0.04	0.067	0.0083 U	0.067	0.047	0.0079 U	0.052	0.0091	0.021	0.052	0.028	0.0099	0.0085 U	0.007 U	0.0072 U	0.0071 U	0.0098 U	0.0077 U	0.51	0.0082	0.0072 U
Isophorone	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
1-Methylnaphthalene	0.0081 U	0.0075 U	0.0085	0.18	0.0083 U	0.0078 U	0.0079 U	0.0079 U	0.0085	0.0076 U	0.0078 U	0.0074 U	0.0091 U	0.018	0.0085 U	0.037	0.0072 U	0.011	0.013	0.02	0.019	0.12	0.0072 U
2-Methylnaphthalene	0.0081 U	0.0075 U	0.011	0.3	0.0083 U	0.0078 U	0.0079 U	0.0079 U	0.013	0.0076 U	0.0078 U	0.0099	0.0091 U	0.04	0.0089	0.062	0.0072 U	0.015	0.023	0.032	0.03	0.21	0.0072 U
Naphthalene	0.0081 U	0.0075 U	0.014	0.06	0.0083 U	0.0078 U	0.0079 U	0.0079 U	0.026	0.0076 U	0.0078 U	0.024	0.0091 U	0.091	0.015	0.052	0.0072 U	0.023	0.14	0.0077 U	0.13	0.69	0.0072 U
Nitrobenzene	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
N-Nitrosodimethylamine	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
N-Nitroso-di-n-propylamine	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
N-Nitrosodiphenylamine	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Pentachlorophenol	0.2 U	0.19 U	0.18 U	0.22 U	0.21 U	0.19 U	0.2 U	0.2 U	0.19 U	0.19 U	0.2 U	0.19 U	0.23 U	0.18 U	1.1 U	0.88 U	0.9 U	0.89 U	2.5 U	0.96 U	2.2 U	1.8 U	0.18 U
Phenanthrene	0.0081 U	0.012	0.049	0.22	0.0083 U	0.01	0.011	0.0079 U	0.11	0.0076 U	0.0078 U	0.14	0.024	0.054	0.0085 U	0.015	0.014	0.014	0.017	0.0077 U	0.45	0.034	0.0072 U
Phenol	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
Pyrene	0.016	0.011	0.14	0.094	0.0083 U	0.093	0.056	0.0079 U	0.25	0.0096	0.017	0.25	0.058	0.052	0.0085 U	0.012	0.012	0.013	0.024	0.0077 U	1.2	0.054	0.0072 U
Pyridine	0.041 U	0.037 U	0.036 U	0.043 U	0.042 U	0.039 U	0.04 U	0.04 U	0.037 U	0.038 U	0.039 U	0.037 U	0.046 U	0.037 U	0.21 U	0.18 U	0.18 U	0.18 U	0.49 U	0.19 U	0.43 U	0.36 U	0.036 U
cPAHs TEQ [2]	0.007	0.006 U	0.08	0.12	0.006 U	0.11	0.08	0.006 U	0.12	0.018	0.039	0.12	0.07	0.019	0.006 U	0.005 U	0.005 U	0.005 U	0.007 U	0.006 U	1.0	0.019	0.005 U

TABLE 3-9

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central																				
Sample Location	KM-10		KM-11	KM-12	KM-22		KM-23		KM-24		KM-25	KM-26		KM-33	KM-34		KM-35		KM-36		KM-37	
Depth (ft bgs)	1.2-1.5	5.2-5.5	1.8-2	1.8-2	6.5-7	12.5-13	7.5-8	10.5-11	7.5-8	10.5-11	10.5-11	8-8.5	11-11.5	4-4.5	2-2.5	4-4.5	2-2.5	6.5-7	2-2.5	6-6.5	2-2.5	5-5.5
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/7/2009	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	3/22/2011	3/21/2011	3/21/2011	3/22/2011	3/22/2011	3/21/2011	3/21/2011	3/21/2011	3/21/2011
SVOCs (mg/kg)																						
(3+4)-Methylphenol (m,p-Cresol)	0.34 U	0.35 U	0.21 U	0.18 U	0.051	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
1,2-Dinitrobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
1,2-Diphenylhydrazine	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.21 U	0.2 U	0.18 U	0.19 U	0.18 U	0.2 U	0.19 U	0.17 U	0.19 U	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
1,4-Dinitrobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2,3,5,6-Tetrachlorophenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2,3-Dichloroaniline	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	1.6	0.35 U	0.21 U	0.18 U	1.1 U	0.98 U	0.88 U	0.96 U	0.91 U	1 U	0.93 U	0.87 U	0.97 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	1.7 U	1.8 U	1.1 U	0.88 U	0.21 U	0.2 U	0.18 U	0.19 U	0.18 U	0.2 U	0.19 U	0.17 U	0.19 U	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2-Chlorophenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2-Methylphenol (o-Cresol)	0.34 U	0.35 U	0.21 U	0.18 U	0.049	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2-Nitroaniline	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
2-Nitrophenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	3.4 U	3.5 U	2.1 U	1.8 U	0.43 U	0.39 U	0.35 U	0.38 U	0.37 U	0.4 U	0.37 U	0.35 U	0.39 U	--	--	--	--	--	--	--	--	--
3-Nitroaniline	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	1.7 U	1.8 U	1.1 U	0.88 U	0.21 U	0.2 U	0.18 U	0.19 U	0.18 U	0.2 U	0.19 U	0.17 U	0.19 U	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
4-Chloro-3-methylphenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
4-Chloroaniline	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
4-Nitroaniline	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
4-Nitrophenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Acenaphthene	3.5	4.7	1.5	0.007 U	0.0085 U	0.0078 U	0.007 U	0.0077 U	0.0073 U	0.0081 U	0.033	0.007 U	0.0078 U	0.36	0.0069 U	0.007 U	0.0071 U	0.036 U	0.0077 U	0.0075 U	0.0089 U	0.0074 U
Acenaphthylene	0.42	0.35 U	0.28	0.007 U	0.0095	0.0078 U	0.007 U	0.0077 U	0.0073 U	0.0081 U	0.58	0.007 U	0.0078 U	0.053	0.0069 U	0.007 U	0.0071 U	0.036 U	0.0077 U	0.0075 U	0.012	0.0074 U
Aniline	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Anthracene	1.4	1.6	0.68	0.007 U	0.018	0.0096	0.007 U	0.0077 U	0.0073 U	0.0081 U	0.64	0.007 U	0.0078 U	0.37	0.0069 U	0.007 U	0.0071 U	0.048	0.0077 U	0.0075 U	0.012	0.0074 U
Benzidine	3.4 U	3.5 U	2.1 U	1.8 U	0.43 U	0.39 U	0.35 U	0.38 U	0.37 U	0.4 U	0.37 U	0.35 U	0.39 U	--	--	--	--	--	--	--	--	--
Benzo[a]anthracene	2.4	1.4	0.5	0.007 U	0.075	0.016	0.048	0.0077 U	0.0073 U	0.0081 U	1.6	0.007 U	0.0078 U	0.11	0.0069 U	0.007 U	0.017	3.7	0.0077 U	0.0075 U	0.035	0.036
Benzo[a]pyrene	1.9	1.3	0.54	0.007 U	0.089	0.015	0.054	0.0077 U	0.0073 U	0.0081 U	1.5	0.007 U	0.0078 U	0.033	0.0069 U	0.007 U	0.017	3.2	0.0077 U	0.0075 U	0.05	0.052
Benzo[b]fluoranthene	2.5	1.4	0.27	0.007 U	0.079	0.013	0.098	0.0077 U	0.0073 U	0.01	1.8	0.007 U	0.0078 U	0.035	0.0069 U	0.007 U	0.013	5.9	0.0077 U	0.0075 U	0.05	0.041
Benzo[g,h,i]perylene	1.7	0.95	0.41	0.007 U	0.064	0.014	0.05	0.0077 U	0.0073 U	0.0081 U	1	0.007 U	0.0078 U	0.025	0.0069 U	0.007 U	0.012	2.5	0.0077 U	0.0075 U	0.066	0.067
Benzo[k]fluoranthene	2	1.1	0.36	0.007 U	0.075	0.013	0.052	0.0077 U	0.0073 U	0.0081 U	1.2	0.007 U	0.0078 U	0.024	0.0069 U	0.007 U	0.014	4	0.0077 U	0.0075 U	0.04	0.043
Benzyl alcohol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl) ether	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl) ether	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl) phthalate	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
bis-2-Ethylhexyl adipate	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--

TABLE 3-9

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central																						
Sample Location	KM-10		KM-11	KM-12	KM-22		KM-23		KM-24		KM-25	KM-26		KM-33	KM-34		KM-35		KM-36		KM-37	
Depth (ft bgs)	1.2-1.5	5.2-5.5	1.8-2	1.8-2	6.5-7	12.5-13	7.5-8	10.5-11	7.5-8	10.5-11	10.5-11	8-8.5	11-11.5	4-4.5	2-2.5	4-4.5	2-2.5	6.5-7	2-2.5	6-6.5	2-2.5	5-5.5
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/7/2009	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	3/22/2011	3/21/2011	3/21/2011	3/22/2011	3/22/2011	3/21/2011	3/21/2011	3/21/2011	3/21/2011
SVOCs (mg/kg)																						
Carbazole	0.85	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.11	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Chrysene	3.2	2	0.5	0.007 U	0.093	0.02	0.09	0.0077 U	0.0073 U	0.019	1.7	0.007 U	0.0078 U	0.14	0.0069 U	0.007 U	0.021	5.7	0.0077 U	0.0075 U	0.064	0.054
Dibenz[a,h]anthracene	0.5	0.35 U	0.21 U	0.007 U	0.02	0.0078 U	0.018	0.0077 U	0.0073 U	0.0081 U	0.34	0.007 U	0.0078 U	0.0085 U	0.0069 U	0.007 U	0.0071 U	1.1	0.0077 U	0.0075 U	0.014	0.01
Dibenzofuran	1.4	1.5	0.38	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.05	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Diethyl phthalate	0.34 U	0.35 U	0.21 U	0.18 U	0.21 U	0.2 U	0.18 U	0.19 U	0.18 U	0.2 U	0.19 U	0.17 U	0.19 U	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Fluoranthene	7.7	5.3	1.4	0.007 U	0.12	0.051	0.056	0.0077 U	0.0073 U	0.023	4.5	0.0078	0.0078 U	0.5	0.0069 U	0.007 U	0.027	1.5	0.0077 U	0.0075 U	0.082	0.058
Fluorene	3	3.6	1	0.007 U	0.0085 U	0.0088	0.007 U	0.0077 U	0.0073 U	0.0081 U	0.22	0.007 U	0.0078 U	0.66	0.0069 U	0.007 U	0.0071 U	0.036 U	0.0077 U	0.0075 U	0.0089 U	0.0074 U
Hexachlorobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Hexachloroethane	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Indeno[1,2,3-cd]pyrene	1.3	0.72	0.29	0.007 U	0.053	0.011	0.043	0.0077 U	0.0073 U	0.0081 U	0.96	0.007 U	0.0078 U	0.018	0.0069 U	0.007 U	0.0098	2.3	0.0077 U	0.0075 U	0.048	0.045
Isophorone	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
1-Methylnaphthalene	12	12	4.1	0.007 U	0.0097	0.027	0.007 U	0.0077 U	0.0073 U	0.0081 U	0.018	0.007 U	0.0078 U	1.1	0.0069 U	0.007 U	0.0071 U	0.07	0.0084	0.016	0.035	0.009
2-Methylnaphthalene	18	16	3.3	0.007 U	0.0085	0.061	0.007 U	0.0077 U	0.0073 U	0.0081 U	0.012	0.007 U	0.0078 U	0.62	0.0069 U	0.007 U	0.0071 U	0.1	0.0091	0.02	0.036	0.013
Naphthalene	71	1.1	1	0.007 U	0.024	0.2	0.007 U	0.0077 U	0.0073 U	0.0081 U	0.012	0.007 U	0.0078 U	0.36	0.0069 U	0.007 U	0.0071 U	0.063	0.0087	0.0075 U	0.025	0.0074 U
Nitrobenzene	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
N-Nitroso-di-n-propylamine	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Pentachlorophenol	1.7 U	1.8 U	1.1 U	0.88 U	0.21 U	0.2 U	0.18 U	0.19 U	0.18 U	0.2 U	0.19 U	0.17 U	0.19 U	--	--	--	--	--	--	--	--	--
Phenanthrene	8.9	9.1	3.5	0.007 U	0.076	0.061	0.01	0.0077 U	0.0073 U	0.0081 U	2	0.007 U	0.0078 U	0.59	0.0069 U	0.007 U	0.0071 U	0.33	0.0077 U	0.0075 U	0.072	0.027
Phenol	0.34 U	0.35 U	0.21 U	0.18 U	0.043 U	0.039 U	0.035 U	0.038 U	0.037 U	0.04 U	0.037 U	0.035 U	0.039 U	--	--	--	--	--	--	--	--	--
Pyrene	7.4	4.7	1.8	0.007 U	0.14	0.063	0.052	0.0077 U	0.0073 U	0.016	3.6	0.007 U	0.0078 U	0.41	0.0069 U	0.007 U	0.031	1.6	0.0077 U	0.0075 U	0.082	0.084
Pyridine	0.34 U	0.35 U	0.21 U	0.18 U	0.43 U	0.39 U	0.35 U	0.38 U	0.37 U	0.4 U	0.37 U	0.35 U	0.39 U	--	--	--	--	--	--	--	--	--
cPAHs TEQ [2]	2.8	1.8	0.70	0.005 U	0.12	0.021	0.081	0.006 U	0.006 U	0.007	2.11	0.005 U	0.006 U	0.054	0.0052 U	0.005 U	0.023	5.0	0.0058 U	0.0057 U	0.069	0.070

TABLE 3-9

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central							South								
Sample Location	KM-39	KM-39 (DUP)	KM-39	KM-41		KMW-04		KM-1	KM-2	KM-27		KM-28		KM-29		KMW-02
Depth (ft bgs)	2-2.75	2-2.75	4.5-5	2.75-3.25	4.25-4.75	2-2.5	4.5-5	1.5-2	1.5-2	8-8.5	10.5-11	8.5-9	10.5-11	7.5-8	10.5-11	5-5.5
Sample Date	3/24/2011	3/24/2011	3/24/2011	3/24/2011	3/24/2011	3/17/2011	3/17/2011	8/5/2009	8/5/2009	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	3/18/2011
SVOCs (mg/kg)																
(3+4)-Methylphenol (m,p-Cresol)	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
1,2-Dinitrobenzene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
1,2-Diphenylhydrazine	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
1,3-Dichlorobenzene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
1,3-Dinitrobenzene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.18 U	0.2 U	0.18 U	0.18 U	0.18 U	0.18 U	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	0.21 UJ	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
1,4-Dinitrobenzene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2,3,5,6-Tetrachlorophenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2,3-Dichloroaniline	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2,4-Dichlorophenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2,4-Dimethylphenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.88 U	0.99 U	0.92 U	0.92 U	0.89 U	0.9 U	--
2,4-Dinitrophenol	--	--	--	--	--	--	--	1 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.18 U	0.18 U	--
2,4-Dinitrotoluene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2,6-Dinitrotoluene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2-Chloronaphthalene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2-Chlorophenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2-Methylphenol (o-Cresol)	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2-Nitroaniline	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
2-Nitrophenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	2.1 U	0.35 U	0.35 U	0.4 U	0.37 U	0.37 U	0.35 U	0.36 U	--
3-Nitroaniline	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	1 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.18 U	0.18 U	--
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
4-Chloroaniline	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
4-Nitroaniline	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
4-Nitrophenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Acenaphthene	2.7	2.6	0.94	0.82	3.5	0.0072 U	0.0073 U	0.042 U	0.007 U	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.026
Acenaphthylene	0.38 U	0.36 U	0.046	0.52 U	0.85 U	0.0072 U	0.0073 U	0.042 U	0.007 U	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.0085 U
Aniline	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Anthracene	0.72	0.77	0.27	0.52 U	0.96	0.0072 U	0.0073 U	0.042 U	0.007 U	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.03
Benzidine	--	--	--	--	--	--	--	2.1 U	0.35 U	0.35 U	0.4 U	0.37 U	0.37 U	0.35 U	0.36 U	--
Benzo[a]anthracene	0.56	0.56	0.18	0.52 U	0.99	0.0072 U	0.0073 U	0.056	0.024	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.23
Benzo[a]pyrene	0.4	0.42	0.15	0.52 U	0.85 U	0.0072 U	0.0073 U	0.11	0.033	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.35
Benzo[b]fluoranthene	0.47	0.45	0.14	0.52 U	0.85 U	0.0072 U	0.0073 U	0.14	0.035	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.42
Benzo[g,h,i]perylene	0.38 U	0.36 U	0.12	0.52 U	0.85 U	0.0072 U	0.0073 U	0.094	0.026	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.38
Benzo[k]fluoranthene	0.4	0.36 U	0.11	0.52 U	0.85 U	0.0072 U	0.0073 U	0.047	0.016	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.3
Benzyl alcohol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
bis(2-Chloroethyl) ether	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
bis(2-Chloroisopropyl) ether	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
bis(2-Ethylhexyl) phthalate	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
bis-2-Ethylhexyl adipate	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Butyl benzyl phthalate	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--

TABLE 3-9

SOIL ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central							South								
Sample Location	KM-39	KM-39 (DUP)	KM-39	KM-41		KMW-04		KM-1	KM-2	KM-27		KM-28		KM-29		KMW-02
Depth (ft bgs)	2-2.75	2-2.75	4.5-5	2.75-3.25	4.25-4.75	2-2.5	4.5-5	1.5-2	1.5-2	8-8.5	10.5-11	8.5-9	10.5-11	7.5-8	10.5-11	5-5.5
Sample Date	3/24/2011	3/24/2011	3/24/2011	3/24/2011	3/24/2011	3/17/2011	3/17/2011	8/5/2009	8/5/2009	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	3/18/2011
SVOCs (mg/kg)																
Carbazole	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Chrysene	0.77	0.76	0.24	0.52 U	1.4	0.0072 U	0.0073 U	0.13	0.029	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.34
Dibenz[a,h]anthracene	0.38 U	0.36 U	0.033	0.52 U	0.85 U	0.0072 U	0.0073 U	0.042 U	0.0084	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.11
Dibenzofuran	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Diethyl phthalate	--	--	--	--	--	--	--	0.21 U	0.035 U	0.18 U	0.2 U	0.18 U	0.18 U	0.18 U	0.18 U	--
Dimethyl phthalate	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Di-n-butyl phthalate	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Di-n-octyl phthalate	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Fluoranthene	1.9	2.2	0.64	0.64	3.2	0.0072 U	0.0073 U	0.15	0.03	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.35
Fluorene	1.8	1.9	0.66	0.52 U	2.1	0.0072 U	0.0073 U	0.042 U	0.007 U	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.012
Hexachlorobenzene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Hexachlorobutadiene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Hexachloroethane	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Indeno[1,2,3-cd]pyrene	0.38 U	0.36 U	0.092	0.52 U	0.85 U	0.0072 U	0.0073 U	0.054	0.022	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.3
Isophorone	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
1-Methylnaphthalene	6.7	7.1	2	5.1	17	0.0072 U	0.0073 U	0.064	0.007 U	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.0085 U
2-Methylnaphthalene	10	11	2.6	7.3	24	0.0072 U	0.0073 U	0.077	0.007 U	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.0085 U
Naphthalene	5.6	5.8	0.045	12	37	0.0072 U	0.0073 U	0.042 U	0.007 U	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.015
Nitrobenzene	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
N-Nitrosodimethylamine	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
N-Nitroso-di-n-propylamine	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Pentachlorophenol	--	--	--	--	--	--	--	1 U	0.18 U	0.18 U	0.2 U	0.18 U	0.18 U	0.18 U	0.18 U	--
Phenanthrene	4	4.2	1.5	1.4	8.1	0.0072 U	0.0073 U	0.14	0.01	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.15
Phenol	--	--	--	--	--	--	--	0.21 U	0.035 U	0.035 U	0.04 U	0.037 U	0.037 U	0.035 U	0.036 U	--
Pyrene	1.7	2	0.61	0.56	3.1	0.0072 U	0.0073 U	0.16	0.029	0.0071 U	0.0079 U	0.0073 U	0.0073 U	0.0071 U	0.0072 U	0.31
Pyridine	--	--	--	--	--	--	--	0.21 U	0.035 U	0.35 U	0.4 U	0.37 U	0.37 U	0.35 U	0.36 U	--
cPAHs TEQ [2]	0.59	0.58	0.21	0.39 U	0.71	0.0054 U	0.0055 U	0.14	0.044	0.005 U	0.006 U	0.006 U	0.006 U	0.005 U	0.005 U	0.49

Notes
1. Data flags are as follows:
   -- = not analyzed
   J = concentration shown is an estimate.
   U = analyte not detected at or above laboratory reporting limit indicated.
   UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
2. Total cPAHs expressed as benzo(a)pyrene toxicity equivalent.
   One-half reporting limit (RL) was used for nondetected cPAH constituents.

Abbreviations
cPAH = carcinogenic polycyclic aromatic hydrocarbons
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
SVOCs = semivolatile organic compounds

TABLE 3-10

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North				Central										
Sample Location	KM-13	KM-14	KM-15	KM-16	B7-Trench-1	B7-Trench-2	B7-Trench-3	KM09-8-78 [2]	KM09-8-79 [2]	KM-5		KM-6		KM-7	
Depth (ft bgs)	1.2-1.5	1.8-2	3.8-4	3.8-4	2.5	2.5	2.5	NA	NA	2-2.5	6-6.5	1.5-2	4-4.2	1.8-2	6.8-7
Sample Date	8/6/2009	8/6/2009	8/6/2009	8/6/2009	11/24/2009	11/24/2009	11/24/2009	8/31/2009	8/31/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009	8/7/2009
PCBs (mg/kg)															
Aroclor 1016	0.053 U	0.056 U	0.06 U	0.054 U	0.054 U	0.056 U	0.056 U	50 U	10 U	0.064 U	0.053 U	0.054 U	0.053 U	0.074 U	0.057 U
Aroclor 1221	0.053 U	0.056 U	0.06 U	0.054 U	0.054 U	0.056 U	0.056 U	50 U	10 U	0.064 U	0.053 U	0.054 U	0.053 U	0.074 U	0.057 U
Aroclor 1232	0.053 U	0.056 U	0.06 U	0.054 U	0.054 U	0.056 U	0.056 U	50 U	10 U	0.064 U	0.053 U	0.054 U	0.053 U	0.074 U	0.057 U
Aroclor 1242	0.053 U	0.056 U	0.06 U	0.054 U	0.054 U	0.056 U	0.056 U	10 U	10 U	0.064 U	0.053 U	0.054 U	0.053 U	0.074 U	0.057 U
Aroclor 1248	0.053 U	0.056 U	0.06 U	0.054 U	0.054 U	0.056 U	0.056 U	10 U	10 U	0.064 U	0.053 U	0.054 U	0.053 U	0.074 U	0.057 U
Aroclor 1254	0.053 U	0.056 U	0.06 U	0.054 U	0.054 U	0.056 U	0.056 U	16	10 U	0.064 U	0.053 U	0.054 U	0.053 U	0.074 U	0.057 U
Aroclor 1260	0.053 U	0.057	0.06 U	0.054 U	0.054 U	0.056 U	0.092	28	100	0.064 U	0.053 U	0.054 U	0.053 U	0.074 U	0.057 U
Total PCBs	0.053 U	0.057	0.06 U	0.054 U	0.054 U	0.056 U	0.092	44	100	0.064 U	0.053 U	0.054 U	0.053 U	0.074 U	0.057 U

TABLE 3-10

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)													
Sample Location	KM-8		KM-9	KM-10		KM-11	KM-12	KM-22		KM-23		KM-24		KM-25
Depth (ft bgs)	1.8-2	6.8-7	1.5-2	1.2-1.5	5.2-5.5	1.8-2	1.8-2	6.5-7	12.5-13	7.5-8	10.5-11	7.5-8	10.5-11	10.5-11
Sample Date	8/7/2009	8/7/2009	8/5/2009	8/6/2009	8/6/2009	8/6/2009	8/7/2009	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010	8/23/2010
PCBs (mg/kg)														
Aroclor 1016	0.065 U	0.05 U	0.054 U	0.052 U	0.053 U	0.063 U	0.053 U	0.064 U	0.059 U	0.053 U	0.058 U	0.055 U	0.061 U	0.056 U
Aroclor 1221	0.065 U	0.05 U	0.054 U	0.052 U	0.053 U	0.063 U	0.053 U	0.064 U	0.059 U	0.053 U	0.058 U	0.055 U	0.061 U	0.056 U
Aroclor 1232	0.065 U	0.05 U	0.054 U	0.052 U	0.053 U	0.063 U	0.053 U	0.064 U	0.059 U	0.053 U	0.058 U	0.055 U	0.061 U	0.056 U
Aroclor 1242	0.065 U	0.05 U	0.054 U	0.052 U	0.053 U	0.063 U	0.053 U	0.064 U	0.059 U	0.053 U	0.058 U	0.055 U	0.061 U	0.056 U
Aroclor 1248	0.065 U	0.05 U	0.054 U	0.052 U	0.053 U	0.063 U	0.053 U	0.064 U	0.059 U	0.053 U	0.058 U	0.055 U	0.061 U	0.056 U
Aroclor 1254	0.065 U	0.05 U	0.054 U	0.052 U	0.053 U	0.063 U	0.053 U	0.064 U	0.059 U	0.053 U	0.058 U	0.055 U	0.061 U	0.056 U
Aroclor 1260	0.065 U	0.05 U	0.054 U	0.14	0.053 U	0.063 U	0.053 U	0.064 U	0.059 U	0.053 U	0.058 U	0.055 U	0.061 U	0.056 U
Total PCBs	0.065 U	0.05 U	0.054 U	0.14	0.053 U	0.063 U	0.053 U	0.064 U	0.059 U	0.053 U	0.058 U	0.055 U	0.061 U	0.056 U

TABLE 3-10

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)										
Sample Location	KM-26		KM-38		KM-39	KM-39 (DUP)	KM-39	KM-40		KM-41	
Depth (ft bgs)	8-8.5	11-11.5	1.5-2	4.5-5	2-2.75	2-2.75	4.5-5	1.5-2	4-4.5	2.75-3.25	4.25-4.75
Sample Date	8/23/2010	8/23/2010	3/23/2011	3/23/2011	3/24/2011	3/24/2011	3/24/2011	3/21/2011	3/21/2011	3/24/2011	3/24/2011
PCBs (mg/kg)											
Aroclor 1016	0.052 U	0.058 U	0.051 U	0.054 U	0.058 U	0.055 U	0.053 U	0.062 U	0.062 U	7.9 U	1.3 U
Aroclor 1221	0.052 U	0.058 U	0.051 U	0.054 U	0.058 U	0.055 U	0.053 U	0.062 U	0.062 U	7.9 U	1.3 U
Aroclor 1232	0.052 U	0.058 U	0.051 U	0.054 U	0.058 U	0.055 U	0.053 U	0.062 U	0.062 U	7.9 U	1.3 U
Aroclor 1242	0.052 U	0.058 U	0.051 U	0.054 U	0.058 U	0.055 U	0.053 U	0.062 U	0.062 U	7.9 U	1.3 U
Aroclor 1248	0.052 U	0.058 U	0.051 U	0.054 U	0.058 U	0.055 U	0.053 U	0.062 U	0.062 U	7.9 U	1.3 U
Aroclor 1254	0.052 U	0.058 U	0.051 U	0.054 U	0.058 U	0.055 U	0.053 U	0.062 U	0.062 U	7.9 U	1.3 U
Aroclor 1260	0.052 U	0.058 U	0.051 U	0.24	0.15	0.19	0.053 U	0.062 U	0.062 U	58	10
Total PCBs	0.052 U	0.058 U	0.051 U	0.24	0.15	0.19	0.053 U	0.062 U	0.062 U	58	10

TABLE 3-10

SOIL ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)						South							
Sample Location	KM-42		KM-43	NE	SE	E	KM-1	KM-2	KM-27		KM-28		KM-29	
Depth (ft bgs)	1.75-2.25	4.5-5	1.5-2	6	6	6	1.5-2	1.5-2	8-8.5	10.5-11	8.5-9	10.5-11	7.5-8	10.5-11
Sample Date	3/24/2011	3/24/2011	3/23/2011	3/18/1998	3/18/1998	3/18/1998	8/5/2009	8/5/2009	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010	8/24/2010
PCBs (mg/kg)														
Aroclor 1016	0.067 U	0.058 U	0.052 U	--	--	--	0.063 U	0.053 U	0.053 U	0.059 U	0.055 U	0.055 U	0.053 U	0.054 U
Aroclor 1221	0.067 U	0.058 U	0.052 U	--	--	--	0.063 U	0.053 U	0.053 U	0.059 U	0.055 U	0.055 U	0.053 U	0.054 U
Aroclor 1232	0.067 U	0.058 U	0.052 U	--	--	--	0.063 U	0.053 U	0.053 U	0.059 U	0.055 U	0.055 U	0.053 U	0.054 U
Aroclor 1242	0.067 U	0.058 U	0.052 U	--	--	--	0.063 U	0.053 U	0.053 U	0.059 U	0.055 U	0.055 U	0.053 U	0.054 U
Aroclor 1248	0.067 U	0.058 U	0.052 U	--	--	--	0.063 U	0.053 U	0.053 U	0.059 U	0.055 U	0.055 U	0.053 U	0.054 U
Aroclor 1254	0.067 U	0.058 U	0.052 U	--	--	--	0.063 U	0.053 U	0.053 U	0.059 U	0.055 U	0.055 U	0.053 U	0.054 U
Aroclor 1260	0.067 U	0.53	0.17	0.05 U	0.05 U	0.05 U	0.063 U	0.053 U	0.053 U	0.059 U	0.055 U	0.055 U	0.053 U	0.054 U
Total PCBs	0.067 U	0.53	0.17	--	--	--	0.063 U	0.053 U	0.053 U	0.059 U	0.055 U	0.055 U	0.053 U	0.054 U

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
2. Samples collected from scale pits during 2009 PCB investigation; not related to boring KM-9.

Abbreviations
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
PCBs = polychlorinated biphenyls

TABLE 3-11

GROUNDWATER ANALYTICAL RESULTS - METALS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North				Central									
Sample Location	KM-14	KM-16	KMW-01	KMW-02	KM-5	KM-7	KM-9	KM-10	KM-22	KM-25	KM-33	KM-34	KM-35	KM-36
Depth (ft bgs)	10 - 14	10 - 14	4 - 14	4.2 - 14.2	10 - 14	10 - 14	10 - 14	10 - 14	10 - 14	10 - 14	4 - 9	4 - 9	7 - 12	5 - 10
Analyte Sample Date	8/6/2009	8/6/2009	3/28/2011	3/28/2011	8/7/2009	8/7/2009	8/5/2009	8/6/2009	8/23/2010	8/23/2010	3/22/2011	3/21/2011	3/22/2011	3/21/2011
Metals (µg/L)														
Arsenic	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	17	13	8.2	3.3 U	3.3 U	20
Arsenic (dissolved)	--	--	3 U	3 U	--	--	--	--	--	--	--	--	--	--
Barium	28 U	28 U	--	--	28 U	28 U	--	28 U	--	--	--	--	--	--
Cadmium	4.4 U	4.4 U	--	--	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	--	--	--	--
Chromium	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	28	25	11 U	11 U	11 U
Chromium (dissolved)	--	--	10 U	10 U	--	--	--	--	--	--	--	--	--	--
Copper	--	--	--	--	--	--	11 U	--	25	34	--	--	--	--
Lead	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.4	4.5	19	6.5	1.1 U	1.1 U	1.1 U
Lead (dissolved)	--	--	1 U	1 U	--	--	--	--	--	--	--	--	--	--
Mercury	0.5 U	0.5 U	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	--	--	--	--
Nickel	--	--	--	--	--	--	22 U	--	22 U	20	--	--	--	--
Selenium	5.6 U	5.6 U	--	--	5.6 U	5.6 U	--	5.6 U	--	--	--	--	--	--
Silver	11 U	11 U	--	--	11 U	11 U	--	11 U	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	28 U	--	28 U	55	--	--	--	--

TABLE 3-11

GROUNDWATER ANALYTICAL RESULTS - METALS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)								South					
Sample Location	KM-37	KM-39	KM-41	KM-41 (DUP)	KMW-03	KMW-03 (DUP)	KMW-04	KMW-05	KM-1	KM-2	KM-27	KM-29	Product-GW [2]	Contain-GW [2]
Depth (ft bgs)	4 - 9	5 - 10	5 - 10	5 - 10	3.2 - 13.2	3.2 - 13.2	3 - 13	3.2 - 13.2	10 - 14	8 - 12	10 - 14	10-14	9.5	9.5
Analyte Sample Date	3/21/2011	3/24/2011	3/24/2011	3/24/2011	3/28/2011	3/28/2011	3/28/2011	3/28/2011	8/5/2009	8/5/2009	8/24/2010	8/24/2010	10/22/2009	10/27/2009
Metals (µg/L)														
Arsenic	15	17	11	11	3.3 U	3.3 U	12	3.3 U	3.3 U	3.3 U	3.3 U	8.6	12	58
Arsenic (dissolved)	--	--	--	--	3 U	3 U	12	3 U	--	--	--	--	--	--
Barium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	--	--	--	--	--	--	--	--	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U
Chromium	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	30	110
Chromium (dissolved)	--	--	--	--	10 U	10 U	10 U	10 U	--	--	--	--	--	--
Copper	--	--	--	--	--	--	--	--	11 U	11 U	11 U	11 U	110	310
Lead	13	2.9	60	66	1.1 U	1.1 U	1.1 U	1.1 U	22	1.1 U	1.1 U	1.6	14	500
Lead (dissolved)	--	--	--	--	1 U	1 U	1 U	1 U	--	--	--	--	--	--
Mercury	--	--	--	--	--	--	--	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.88
Nickel	--	--	--	--	--	--	--	--	22 U	22 U	22 U	22 U	26	120
Selenium	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc	--	--	--	--	--	--	--	--	36	28 U	28 U	28 U	120	2,000

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
2. Samples Contain-GW and Product-GW are grab samples collected from the open UST excavations.
3. Resutls are for total metals unless otherwise noted.

Abbreviations
µg/L = micrograms per liter
ft bgs = feet below ground surface
UST = underground storage tank

TABLE 3-12

GROUNDWATER ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	North									
Sample Location	**KM-14**	**KM-16**	**KM-17**	**KM-19**	**KM-20**	**KM-30**	**KM-31**	**KM-32**	**KMW-01**	**KMW-02**
Depth (ft bgs)	**10 - 14**	**10 - 14**	**7.5 - 11.5**	**7.5 - 11.5**	**7.5 - 11.5**	**5 - 10**	**5 - 10**	**5 - 10**	**4 - 14**	**4.2 - 14.2**
Analyte Sample Date	**8/6/2009**	**8/6/2009**	**12/23/2009**	**12/23/2009**	**12/23/2009**	**3/23/2011**	**3/22/2011**	**3/22/2011**	**3/28/2011**	**3/28/2011**
TPH (µg/L)										
Diesel Range Organics	280 U	280 U	--	--	--	--	--	--	--	--
Lube Oil	440 U	450 U	--	--	--	--	--	--	--	--
Gasoline Range Organics	100 U	1,300	100 U	710	400 U	840	100 U	100 U	100 U	100 U

TABLE 3-12

GROUNDWATER ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central											
Sample Location	**KM-5**	**KM-7**	**KM-9**	**KM-10**	**KM-21**	**KM-22**	**KM-25**	**KM-34**	**KM-35**	**KM-36**	**KM-37**	**KM-39**
Depth (ft bgs)	**10 - 14**	**10 - 14**	**10 - 14**	**10 - 14**	**7.5 - 11.5**	**10-14**	**10-14**	**4 - 9**	**7 - 12**	**5 - 10**	**4 - 9**	**5 - 10**
Analyte Sample Date	**8/7/2009**	**8/7/2009**	**8/5/2009**	**8/6/2009**	**12/23/2009**	**8/23/2010**	**8/23/2010**	**3/21/2011**	**3/22/2011**	**3/21/2011**	**3/21/2011**	**3/24/2011**
TPH (µg/L)												
Diesel Range Organics	280 U	280 U	280 U	270 U	--	1,400 U	270 U	--	--	--	--	--
Lube Oil	450 U	440 U	440 U	440 U	--	430 U	430 U	--	--	--	--	--
Gasoline Range Organics	290	100 U	100 U	100 U	100 U	91,000	100 U	190	100 U	31,000	38,000	6,600

TABLE 3-12

GROUNDWATER ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)						South					
Sample Location	KM-41	KM-41 (DUP)	KMW-03	KMW-03 (DUP)	KMW-04	KMW-05	KM-1	KM-2	KM-27	KM-29	Product-GW [2]	Contain-GW [2]
Depth (ft bgs)	5 - 10	5 - 10	3.2 - 13.2	3.2 - 13.2	3 - 13	3.2 - 13.2	10 - 14	8 - 12	10-14	10-14	9.5	9.5
Analyte Sample Date	3/24/2011	3/24/2011	3/28/2011	3/28/2011	3/28/2011	3/28/2011	8/5/2009	8/5/2009	8/24/2010	8/24/2010	10/22/2009	10/27/2009
TPH (µg/L)												
Diesel Range Organics	--	--	--	--	--	--	270 U	280 U	260 U	260 U	1,800 U	280 U
Lube Oil	--	--	--	--	--	--	430 U	450 U	420 U	420 U	450	1,500
Gasoline Range Organics	4,400	5,700	7,700	7,000	75,000	100 U	100 U	100 U	100 U	100 U	200,000	510,000

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
2. Samples Contain-GW and Product-GW are grab samples collected from the open UST excavations.

Abbreviations
µg/L = micrograms per liter
ft bgs = feet below ground surface
TPH = total petroleum hydrocarbons
UST = underground storage tank

TABLE 3-13

GROUNDATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

Area of Site	North											Central							
Sample Location	KM-14	KM-16	KM-17	KM-18	KM-19	KM-20	KM-30	KM-31	KM-32	KMW-01	KMW-02	KM-5	KM-7	KM-8	KM-9	KM-10	KM-21	KM-22	KM-25
Depth (ft bgs)	10 - 14	10 - 14	7.5 - 11.5	7.5 - 11.5	7.5 - 11.5	7.5 - 11.5	5 - 10	5 - 10	5 - 10	4 - 14	4.2 - 14.2	10 - 14	10 - 14	10 - 14	10 - 14	10 - 14	7.5 - 11.5	10-14	10-14
Sample Date	8/6/2009	8/6/2009	12/23/2009	12/23/2009	12/23/2009	12/23/2009	3/23/2011	3/22/2011	3/22/2011	3/28/2011	3/28/2011	8/7/2009	8/7/2009	8/7/2009	8/5/2009	8/6/2009	12/23/2009	8/23/2010	8/23/2010
VOCs (µg/L)																			
cis-1,2-Dichloroethene	0.2 U	8.9	11	0.2 U	0.2 U	0.2 U	0.2 U	2.1	0.2 U	0.2 U	0.26	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	200 U	0.2 U
cis-1,3-Dichloropropene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
trans-1,2-Dichloroethene	0.2 U	0.4 U	0.23	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,1,1,2-Tetrachloroethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,1,1-Trichloroethane	0.2 U	0.4 U	0.33	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,1,2,2-Tetrachloroethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,1,2-Trichloroethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,1-Dichloroethane	0.2 U	0.59	0.77	0.2 U	0.2 U	0.2 U	0.2 U	0.26	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	200 U	0.2 U
1,1-Dichloroethene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,1-Dichloropropene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,2,3-Trichlorobenzene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,2,3-Trichloropropane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,2,4-Trichlorobenzene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,2,4-Trimethylbenzene	0.2 U	33	0.2 U	0.96	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28	0.2 U	0.77 J	0.2 U	0.25	0.2 U	520	0.2 U
1,2-Dibromo-3-chloropropane	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 UJ	1 U	1 U	1 U	1,000 U	1 U
1,2-Dibromoethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,2-Dichlorobenzene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,2-Dichloroethane	0.2 U	0.4 U	0.28	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,2-Dichloropropane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,3,5-Trimethylbenzene	0.2 U	7.8	0.2 U	0.61	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28 J	0.2 U	0.2 U	0.2 U	250	0.2 U
1,3-Dichlorobenzene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,3-Dichloropropane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
1,4-Dichlorobenzene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
2,2-Dichloropropane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
2-Butanone	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5,000 U	5 U
2-Chloroethyl vinyl ether	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 UJ	1 U	1 U	1 U	1000 U	1 U
2-Chlorotoluene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
2-Hexanone	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2000 U	2 U
4-Chlorotoluene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Acetone	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5,000 U	5 U
Benzene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4.2	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	200 U	0.2 U
Bromobenzene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Bromochloromethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Bromodichloromethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Bromoform	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 UJ	1 U	1 U	1 U	1,000 U	1 U
Bromomethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Carbon disulfide	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Carbon tetrachloride	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U

TABLE 3-13

GROUNDATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

Area of Site	North											Central							
Sample Location	KM-14	KM-16	KM-17	KM-18	KM-19	KM-20	KM-30	KM-31	KM-32	KMW-01	KMW-02	KM-5	KM-7	KM-8	KM-9	KM-10	KM-21	KM-22	KM-25
Depth (ft bgs)	10 - 14	10 - 14	7.5 - 11.5	7.5 - 11.5	7.5 - 11.5	7.5 - 11.5	5 - 10	5 - 10	5 - 10	4 - 14	4.2 - 14.2	10 - 14	10 - 14	10 - 14	10 - 14	10 - 14	7.5 - 11.5	10-14	10-14
Sample Date	8/6/2009	8/6/2009	12/23/2009	12/23/2009	12/23/2009	12/23/2009	3/23/2011	3/22/2011	3/22/2011	3/28/2011	3/28/2011	8/7/2009	8/7/2009	8/7/2009	8/5/2009	8/6/2009	12/23/2009	8/23/2010	8/23/2010
VOCs (µg/L)																			
Chlorobenzene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Chloroethane	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 UJ	1 U	1 U	1 U	1,000 U	1 U
Chloroform	0.2 U	0.4 U	0.37	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Chloromethane	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 UJ	1 U	1 U	1 U	1,000 U	1 U
Dibromochloromethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Dibromomethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Dichlorodifluoromethane	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Ethylbenzene	0.2 U	93	0.2 U	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	0.48	18 J	0.2 U	1.2	0.2 U	8,900	0.2 U
Hexachlorobutadiene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Iodomethane	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 UJ	1 U	1 U	1 U	1000 U	1 U
Isopropylbenzene	0.2 U	21	0.2 U	0.2 U	18	12	8	0.2 U	0.2 U	0.2 U	0.2 U	0.65	0.2 U	0.22 J	0.88	0.2 U	0.2 U	200 U	0.2 U
Methyl isobutyl ketone	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2,000 U	2 U
Methyl t-butyl ether	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Methylene chloride	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 UJ	1 U	1 U	1 U	1,000 U	1 U
Naphthalene	1 U	3.7	1 U	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	2.3	1.1	1 U	1,000	1 U
n-Butylbenzene	0.2 U	0.4 U	0.2 U	0.2 U	5.5	0.91	4.3	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	200 U	0.2 U
n-Propylbenzene	0.2 U	28	0.2 U	0.2 U	34	16	10	0.2 U	0.2 U	0.2 U	0.2 U	0.29	0.26	0.26 J	0.75	0.2 U	0.2 U	200 U	0.2 U
m,p-Xylene	0.52	47	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	57	1	25 J	0.4 U	5.9	0.4 U	27,000	0.4 U
o-Xylene	0.2 U	5.6	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	6.7	0.2 U	0.2 UJ	0.2 U	1.7	0.2 U	9,000	0.2 U
p-Isopropyltoluene	0.2 U	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 UJ	0.2 U	0.2 U	0.2 U	200 U	0.2 U
sec-Butylbenzene	0.2 U	11	0.2 U	0.2 U	13	6.4	12	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	200 U	0.2 U
Styrene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
tert-Butylbenzene	0.2 U	1.3	0.2 U	0.2 U	0.79	0.69	1	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	200 U	0.2 U
Tetrachloroethene	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Toluene	1 U	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 UJ	1 U	1 U	1 U	4,700	1 U
Trichloroethene	0.2 U	0.6	9	0.2 U	0.2 U	1.1	0.2 U	0.83	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	200 U	0.2 U
Trichlorofluoromethane	0.2 U	0.4 U	0.27	0.2 U	0.2 U	0.2 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 U	0.2 U	0.2 U	200 U	0.2 U
Vinyl acetate	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2,000 U	2 U
Vinyl chloride	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 UJ	0.2 U	0.2 U	0.2 U	200 U	0.2 U

TABLE 3-13

GROUNDATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)												South					
Sample Location	KM-33	KM-34	KM-35	KM-36	KM-37	KM-39	KM-41	KM-41 (DUP)	KMW-03	KMW-03 (DUP)	KMW-04	KMW-05	KM-1	KM-2	KM-27	KM-29	Contain-GW [2]	Product-GW [2]
Depth (ft bgs)	4 - 9	4 - 9	7 - 12	5 - 10	4 - 9	5 - 10	5 - 10	5 - 10	3.2 - 13.2	3.2 - 13.2	3 - 13	3.2 - 13.2	10 - 14	8 - 12	10-14	10-14	9.5	9.5
Sample Date	3/22/2011	3/21/2011	3/22/2011	3/21/2011	3/21/2011	3/24/2011	3/24/2011	3/24/2011	3/28/2011	3/28/2011	3/28/2011	3/28/2011	8/5/2009	8/5/2009	8/24/2010	8/24/2010	10/27/2009	10/22/2009
VOCs (µg/L)																		
cis -1,2-Dichloroethene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
cis -1,3-Dichloropropene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
trans -1,2-Dichloroethene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
trans -1,3-Dichloropropene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,1,1,2-Tetrachloroethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,1,1-Trichloroethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,1,2-Trichloroethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,1-Dichloroethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,1-Dichloroethene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,1-Dichloropropene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,2,3-Trichlorobenzene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,2,3-Trichloropropane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,2,4-Trichlorobenzene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,2,4-Trimethylbenzene	--	--	--	--	--	--	6	6.1	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	430	100 U
1,2-Dibromo-3-chloropropane	--	--	--	--	--	--	2 U	2 U	--	--	--	--	1 U	1 U	1 U	1 U	500 U	500 U
1,2-Dibromoethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,2-Dichlorobenzene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,2-Dichloroethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,2-Dichloropropane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,3,5-Trimethylbenzene	--	--	--	--	--	--	1.3	1.3	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	120	100 U
1,3-Dichlorobenzene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,3-Dichloropropane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
1,4-Dichlorobenzene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
2,2-Dichloropropane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
2-Butanone	--	--	--	--	--	--	10 U	10 U	--	--	--	--	5 U	5 U	5 U	5 U	2,500 U	2,500 U
2-Chloroethyl vinyl ether	--	--	--	--	--	--	2 U	2 U	--	--	--	--	1 U	1 U	1 U	1 U	500 U	500 U
2-Chlorotoluene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
2-Hexanone	--	--	--	--	--	--	4 U	4 U	--	--	--	--	2 U	2 U	2 U	2 U	1000 U	1,000 U
4-Chlorotoluene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Acetone	--	--	--	--	--	--	10 U	10 U	--	--	--	--	5 U	5 U	5 U	5 U	2,500 U	13,000
Benzene	--	1 U	1 U	93	35	11	23	23	8.1	8.4	10	1 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Bromobenzene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Bromochloromethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Bromodichloromethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Bromoform	--	--	--	--	--	--	2 U	2 U	--	--	--	--	1 U	1 U	1 U	1 U	500 U	500 U
Bromomethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Carbon disulfide	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Carbon tetrachloride	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U

TABLE 3-13

GROUNDATER ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS[1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)												South					
Sample Location	KM-33	KM-34	KM-35	KM-36	KM-37	KM-39	KM-41	KM-41 (DUP)	KMW-03	KMW-03 (DUP)	KMW-04	KMW-05	KM-1	KM-2	KM-27	KM-29	Contain-GW [2]	Product-GW [2]
Depth (ft bgs)	4 - 9	4 - 9	7 - 12	5 - 10	4 - 9	5 - 10	5 - 10	5 - 10	3.2 - 13.2	3.2 - 13.2	3 - 13	3.2 - 13.2	10 - 14	8 - 12	10-14	10-14	9.5	9.5
Sample Date	3/22/2011	3/21/2011	3/22/2011	3/21/2011	3/21/2011	3/24/2011	3/24/2011	3/24/2011	3/28/2011	3/28/2011	3/28/2011	3/28/2011	8/5/2009	8/5/2009	8/24/2010	8/24/2010	10/27/2009	10/22/2009
VOCs (µg/L)																		
Chlorobenzene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Chloroethane	--	--	--	--	--	--	2 U	2 U	--	--	--	--	1 U	1 U	1 U	1 U	500 U	500 U
Chloroform	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Chloromethane	--	--	--	--	--	--	2 U	2 U	--	--	--	--	1 U	1 U	1 U	1 U	500 U	500 U
Dibromochloromethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Dibromomethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Dichlorodifluoromethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Ethylbenzene	--	13	1 U	4,700	5,100	10 U	9.6	9.9	31,00	2,700	5,700	1 U	0.2 U	0.2 U	0.2 U	0.2 U	13,000	8,100
Hexachlorobutadiene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Iodomethane	--	--	--	--	--	--	2 U	2 U	--	--	--	--	1 U	1 U	1 U	1 U	500 U	500 U
Isopropylbenzene	--	--	--	--	--	--	24	24	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100	100 U
Methyl isobutyl ketone	--	--	--	--	--	--	4 U	4 U	--	--	--	--	2 U	2 U	2 U	2 U	1,000 U	1,000 U
Methyl t-butyl ether	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Methylene chloride	--	--	--	--	--	--	2 U	2 U	--	--	--	--	1 U	1 U	1 U	1 U	500 U	500 U
Naphthalene	--	--	--	--	--	--	92	97	--	--	--	--	1 U	1 U	1 U	1 U	590	500 U
n-Butylbenzene	--	--	--	--	--	--	4.8	5	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
n-Propylbenzene	--	--	--	--	--	--	30	30	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
m,p-Xylene	1 U	56	1 U	1,400	10,000	27	26	27	18	18	12,000	1 U	0.4 U	0.4 U	0.4 U	0.4 U	45,000	37,000
o-Xylene	1 U	18	1 U	50 U	1,600	10 U	9.1	9.2	4.0 U	4.0 U	3,400	1 U	0.2 U	0.2 U	0.2 U	0.2 U	12,000	13,000
p-Isopropyltoluene	--	--	--	--	--	--	0.52	0.51	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
sec-Butylbenzene	--	--	--	--	--	--	4.4	4.3	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Styrene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
tert-Butylbenzene	--	--	--	--	--	--	0.57	0.57	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Tetrachloroethene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Toluene	1 U	1.4	1 U	10 U	10 U	37	2.4	2.5	4.0 U	4.0 U	7,400	1 U	1 U	1 U	1 U	1 U	1,200	17,000
Trichloroethene	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Trichlorofluoromethane	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U
Vinyl acetate	--	--	--	--	--	--	4 U	4 U	--	--	--	--	2 U	2 U	2 U	2 U	1,000 U	1,000 U
Vinyl chloride	--	--	--	--	--	--	0.4 U	0.4 U	--	--	--	--	0.2 U	0.2 U	0.2 U	0.2 U	100 U	100 U

Notes
1. Data flags are as follows:
J = concentration shown is an estimate.
U = analyte not detected at or above laboratory reporting limit indicated.
UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
-- = not analyzed
2. Samples Contain-GW and Product-GW are grab samples collected from the open UST excavations.

Abbreviations
µg/L = micrograms per liter
ft bgs = feet below ground surface
UST = underground storage tank
VOCs = volatile organic compounds

TABLE 3-14

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

Area of Site	North										Central								
Sample Location	KM-14	KM-16	KM-17	KM-19	KM-20	KM-30	KM-31	KM-32	KMW-01	KMW-02	KM-5	KM-7	KM-9	KM-10	KM-22	KM-25	KM-33	KM-34	KM-35
Depth (ft bgs)	10 - 14	10 - 14	7.5 - 11.5	7.5 - 11.5	7.5 - 11.5	5 - 10	5 - 10	5 - 10	4 - 14	4.2 - 14.2	10 - 14	10 - 14	10 - 14	10 - 14	10-14	10-14	4 - 9	4 - 9	7 - 12
Analyte / Sample Date	8/6/2009	8/6/2009	12/23/2009	12/23/2009	12/23/2009	3/23/2011	3/22/2011	3/22/2011	3/28/2011	3/28/2011	8/7/2009	8/7/2009	8/5/2009	8/6/2009	8/23/2010	8/23/2010	3/22/2011	3/21/2011	3/22/2011
SVOCs (µg/L)																			
(3+4)-Methylphenol (m,p-Cresol)	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	9.7	0.99 U	--	--	--
1,2,4-Trichlorobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
1,2-Dichlorobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
1,2-Dinitrobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
1,2-Diphenylhydrazine	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
1,3-Dichlorobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
1,3-Dinitrobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
1,4-Dichlorobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
1,4-Dinitrobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1.6	1 U	0.95 U	0.99 U	--	--	--
2,3,4,6-Tetrachlorophenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2,3,5,6-Tetrachlorophenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2,3-Dichloroaniline	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2,4,5-Trichlorophenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2,4,6-Trichlorophenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2,4-Dichlorophenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2,4-Dimethylphenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	20	0.99 U	--	--	--
2,4-Dinitrophenol	10 U	10 U	--	--	--	--	--	--	--	--	9.9 U	10 U	10 U	10 U	9.5 U	9.9 U	--	--	--
2,4-Dinitrotoluene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2,6-Dinitrotoluene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2-Chloronaphthalene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2-Chlorophenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2-Methylphenol (o-Cresol)	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	3.6	0.99 U	--	--	--
2-Nitroaniline	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
2-Nitrophenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
3,3'-Dichlorobenzidine	10 U	10 U	--	--	--	--	--	--	--	--	9.9 U	10 U	10 U	10 U	9.5 U	9.9 U	--	--	--
3-Nitroaniline	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
4,6-Dinitro-2-methylphenol	5.1 U	5.2 U	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5 U	4.8 U	4.9 U	--	--	--
4-Bromophenyl phenyl ether	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
4-Chloro-3-methylphenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
4-Chloroaniline	10 U	10 U	--	--	--	--	--	--	--	--	9.9 U	10 U	10 U	10 U	9.5 U	9.9 U	--	--	--
4-Chlorophenyl phenyl ether	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
4-Nitroaniline	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
4-Nitrophenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Acenaphthene	0.1 U	0.1 U	--	--	--	0.96	0.097 U	0.1 U	0.098 U	0.098 U	0.099 U	0.1 U	0.33	0.13	0.095 U	0.099 U	1.9	0.099 U	0.097 U
Acenaphthylene	0.1 U	0.1 U	--	--	--	0.96 U	0.097 U	0.1 U	0.098 U	0.098 U	0.099 U	0.1 U	0.1 U	0.12	0.095 U	0.099 U	0.096 U	0.099 U	0.097 U
Aniline	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	4.8 U	4.9 U	--	--	--
Anthracene	0.1 U	0.1 U	--	--	--	0.96 U	0.097 U	0.1 U	0.098 U	0.098 U	0.099 U	0.1 U	0.1 U	0.1 U	0.095 U	0.099 U	0.18	0.099 U	0.097 U
Benzidine	10 U	10 U	--	--	--	--	--	--	--	--	9.9 U	10 U	10 U	10 U	9.5 U	9.9 U	--	--	--
Benzo[a]anthracene	0.01 U	0.01 U	0.0097 U	0.0098	0.0097 U	0.096 U	0.0097 U	0.16	0.0098 U	0.0098 U	0.0099 U	0.01 U	0.021	0.01 U	0.022	0.064	0.02	0.0099 U	0.0097 U
Benzo[a]pyrene	0.01 U	0.01 U	0.0097 U	0.0097 U	0.0097 U	0.096 U	0.0097 U	0.18	0.0098 U	0.0098 U	0.0099 U	0.01 U	0.014	0.01 U	0.022	0.061	0.0096 U	0.0099 U	0.0097 U
Benzo[b]fluoranthene	0.01 U	0.01 U	0.0097 U	0.0097 U	0.0097 U	0.096 U	0.0097 U	0.21	0.0098 U	0.0098 U	0.0099 U	0.01 U	0.02	0.01 U	0.017	0.054	0.0096 U	0.0099 U	0.0097 U
Benzo[g,h,i]perylene	0.01 U	0.01 U	--	--	--	0.096 U	0.0097 U	0.14	0.0098 U	0.0098 U	0.0099 U	0.01 U	0.01	0.01 U	0.015	0.039	0.0096 U	0.0099 U	0.0097 U

TABLE 3-14

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

Area of Site	North										Central								
Sample Location	KM-14	KM-16	KM-17	KM-19	KM-20	KM-30	KM-31	KM-32	KMW-01	KMW-02	KM-5	KM-7	KM-9	KM-10	KM-22	KM-25	KM-33	KM-34	KM-35
Depth (ft bgs)	10 - 14	10 - 14	7.5 - 11.5	7.5 - 11.5	7.5 - 11.5	5 - 10	5 - 10	5 - 10	4 - 14	4.2 - 14.2	10 - 14	10 - 14	10 - 14	10 - 14	10-14	10-14	4 - 9	4 - 9	7 - 12
Analyte Sample Date	8/6/2009	8/6/2009	12/23/2009	12/23/2009	12/23/2009	3/23/2011	3/22/2011	3/22/2011	3/28/2011	3/28/2011	8/7/2009	8/7/2009	8/5/2009	8/6/2009	8/23/2010	8/23/2010	3/22/2011	3/21/2011	3/22/2011
SVOCs (µg/L)																			
Benzo[k]fluoranthene	0.01 U	0.01 U	0.0097 U	0.0097 U	0.0097 U	0.096 U	0.0097 U	0.16	0.0098 U	0.0098 U	0.0099 U	0.01 U	0.01 U	0.01 U	0.017	0.051	0.0096 U	0.0099 U	0.0097 U
Benzyl alcohol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
bis(2-Chloroethoxy)methane	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
bis(2-Chloroethyl) ether	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
bis(2-Chloroisopropyl) ether	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
bis(2-Ethylhexyl) phthalate	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	1.9	--	--	--
bis(2-Ethylhexyl) adipate	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Butyl benzyl phthalate	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Carbazole	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Chrysene	0.01 U	0.01 U	0.0097 U	0.0097 U	0.0097 U	0.096 U	0.0097 U	0.23	0.0098 U	0.0098 U	0.0099 U	0.01 U	0.02	0.01 U	0.025	0.076	0.022	0.0099 U	0.0097 U
Dibenz[a,h]anthracene	0.01 U	0.01 U	0.0097 U	0.0097 U	0.0097 U	0.096 U	0.0097 U	0.048	0.0098 U	0.0098 U	0.0099 U	0.01 U	0.01 U	0.01 U	0.0095 U	0.012	0.0096 U	0.0099 U	0.0097 U
Dibenzofuran	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Diethyl phthalate	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Dimethyl phthalate	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Di-n-butyl phthalate	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Di-n-octyl phthalate	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1.4	0.95 U	0.99 U	--	--	--
Fluoranthene	0.1 U	0.1 U	--	--	--	0.96 U	0.097 U	0.18	0.098 U	0.098 U	0.099 U	0.1 U	0.1 U	0.1 U	0.095 U	0.17	0.14	0.099 U	0.097 U
Fluorene	0.1 U	0.1 U	--	--	--	0.96 U	0.097 U	0.1 U	0.098 U	0.098 U	0.099 U	0.1 U	0.14	0.1 U	0.095 U	0.099 U	0.93	0.099 U	0.097 U
Hexachlorobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Hexachlorobutadiene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Hexachlorocyclopentadiene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Hexachloroethane	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Indeno[1,2,3-cd]pyrene	0.01 U	0.01 U	0.0097 U	0.0097 U	0.0097 U	0.096 U	0.0097 U	0.12	0.0098 U	0.0098 U	0.0099 U	0.01 U	0.01 U	0.01 U	0.011	0.035	0.0096 U	0.0099 U	0.0097 U
Isophorone	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
1-Methylnaphthalene	0.1 U	0.1 U	--	--	--	0.96 U	0.097 U	0.1 U	0.098 U	0.098 U	0.099 U	0.1 U	0.45	0.1 U	0.76	0.099 U	0.39	0.099 U	0.097 U
2-Methylnaphthalene	0.1 U	0.12	--	--	--	0.96 U	0.097 U	0.1 U	0.098 U	0.098 U	0.099 U	0.1 U	0.27	0.1 U	1.3	0.099 U	0.096 U	0.099 U	0.097 U
Naphthalene	0.13	1.4	--	--	--	0.96 U	0.097 U	0.1 U	0.098 U	0.098 U	0.099 U	0.1 U	0.77	0.37	22	0.099 U	0.16	0.099 U	0.097 U
Nitrobenzene	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
N-Nitrosodimethylamine	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
N-Nitroso-di-n-propylamine	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
N-Nitrosodiphenylamine	10 U	10 U	--	--	--	--	--	--	--	--	9.9 U	10 U	10 U	10 U	9.5 U	9.9 U	--	--	--
Pentachlorophenol	5.1 U	5.2 U	--	--	--	--	--	--	--	--	5 U	5.1 U	5 U	5 U	4.8 U	4.9 U	--	--	--
Phenanthrene	0.1 U	0.1 U	--	--	--	0.96 U	0.097 U	0.1 U	0.098 U	0.098 U	0.099 U	0.1 U	0.12	0.1 U	0.15	0.12	0.096 U	0.099 U	0.097 U
Phenol	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	0.95 U	0.99 U	--	--	--
Pyrene	0.1 U	0.1 U	--	--	--	0.96 U	0.097 U	0.17	0.098 U	0.098 U	0.099 U	0.1 U	0.1 U	0.1 U	0.095 U	0.14	0.1	0.099 U	0.097 U
Pyridine	1 U	1 U	--	--	--	--	--	--	--	--	0.99 U	1 U	1 U	1 U	9.5 U	9.9 U	--	--	--
cPAHs TEF (ND = 1/2 RL) [3]	0.008 U	0.008 U	0.007 U	0.008 U	0.007 U	0.072 U	0.0073 U	0.25	0.007 U	0.007 U	0.007 U	0.008 U	0.020	0.008 U	0.03	0.08	0.009	0.0075 U	0.0073 U

TABLE 3-14

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)									South				Contain-GW [2]	Product-GW [2]
Sample Location	KM-36	KM-37	KM-39	KM-41	KM-41 (DUP)	KMW-03	KMW-03 (DUP)	KMW-04	KMW-05	KM-1	KM-2	KM-27	KM-29		
Depth (ft bgs)	5 - 10	4 - 9	5 - 10	5 - 10	5 - 10	3.2 - 13.2	3.2 - 13.2	3 - 13	3.2 - 13.2	10 - 14	8 - 12	10-14	10-14	9.5	9.5
Analyte / Sample Date	3/21/2011	3/21/2011	3/24/2011	3/24/2011	3/24/2011	3/28/2011	3/28/2011	3/28/2011	3/28/2011	8/5/2009	8/5/2009	8/24/2010	8/24/2010	10/27/2009	10/22/2009
SVOCs (µg/L)															
(3+4)-Methylphenol (m,p-Cresol)	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1,2,4-Trichlorobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1,2-Dinitrobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1,2-Diphenylhydrazine	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1,3-Dichlorobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1,3-Dinitrobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1,4-Dinitrobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2,3,4,6-Tetrachlorophenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2,3,5,6-Tetrachlorophenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2,3-Dichloroaniline	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2,4,5-Trichlorophenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2,4,6-Trichlorophenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2,4-Dichlorophenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2,4-Dimethylphenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	12
2,4-Dinitrophenol	--	--	--	--	--	--	--	--	--	13 U	10 U	9.7 U	9.5 U	200 U	100 U
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2,6-Dinitrotoluene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2-Chlorophenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2-Methylphenol (o-Cresol)	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	14
2-Nitroaniline	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
2-Nitrophenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
3,3'-Dichlorobenzidine	--	--	--	--	--	--	--	--	--	13 U	10 U	9.7 U	9.5 U	200 U	100 U
3-Nitroaniline	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
4,6-Dinitro-2-methylphenol	--	--	--	--	--	--	--	--	--	6.6 U	5.2 U	4.9 U	4.7 U	100 U	51 U
4-Bromophenyl phenyl ether	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
4-Chloroaniline	--	--	--	--	--	--	--	--	--	13 U	10 U	9.7 U	9.5 U	200 U	100 U
4-Chlorophenyl phenyl ether	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
4-Nitroaniline	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
4-Nitrophenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Acenaphthene	0.43	0.12	4.8 U	9.6 U	9.5 U	0.096 U	0.095 U	0.12 U	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	180	0.51 U
Acenaphthylene	0.1 U	0.098 U	4.8 U	9.6 U	9.5 U	0.096 U	0.095 U	0.12 U	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	20 U	0.51 U
Aniline	--	--	--	--	--	--	--	--	--	1.3 U	1 U	4.9 U	4.7 U	100 U	51 U
Anthracene	0.1 U	0.098 U	4.8 U	9.6 U	9.5 U	0.096 U	0.095 U	0.12 U	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	310	0.51 U
Benzidine	--	--	--	--	--	--	--	--	--	13 U	10 U	9.7 U	9.5 U	200 U	100 U
Benzo[a]anthracene	0.035	0.043	0.48 U	0.96 U	0.95 U	0.0096 U	0.0095 U	0.012 U	0.0095 U	0.013 U	0.01 U	0.0097 U	0.012	150	0.3
Benzo[a]pyrene	0.032	0.035	0.48 U	0.96 U	0.95 U	0.0096 U	0.0095 U	0.012 U	0.0095 U	0.013 U	0.01 U	0.0097 U	0.017	120	0.37
Benzo[b]fluoranthene	0.027	0.032	0.48 U	0.96 U	0.95 U	0.0096 U	0.0095 U	0.012 U	0.0095 U	0.013 U	0.01 U	0.0097 U	0.01	160	0.65
Benzo[g,h,i]perylene	0.05	0.037	0.48 U	0.96 U	0.95 U	0.0096 U	0.0095 U	0.012 U	0.0095 U	0.013 U	0.01 U	0.0097 U	0.0095 U	72	0.29

TABLE 3-14

GROUNDWATER ANALYTICAL RESULTS - SEMIVOLATILE ORGANIC COMPOUNDS [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Central (Continued)									South				Contain-GW [2]	Product-GW [2]
Sample Location	KM-36	KM-37	KM-39	KM-41	KM-41 (DUP)	KMW-03	KMW-03 (DUP)	KMW-04	KMW-05	KM-1	KM-2	KM-27	KM-29		
Depth (ft bgs)	5 - 10	4 - 9	5 - 10	5 - 10	5 - 10	3.2 - 13.2	3.2 - 13.2	3 - 13	3.2 - 13.2	10 - 14	8 - 12	10-14	10-14	9.5	9.5
Analyte / Sample Date	3/21/2011	3/21/2011	3/24/2011	3/24/2011	3/24/2011	3/28/2011	3/28/2011	3/28/2011	3/28/2011	8/5/2009	8/5/2009	8/24/2010	8/24/2010	10/27/2009	10/22/2009
SVOCs (µg/L)															
Benzo[k]fluoranthene	0.021	0.026	0.48 U	0.96 U	0.95 U	0.0096 U	0.0095 U	0.012 U	0.0095 U	0.013 U	0.01 U	0.0097 U	0.0095 U	46	0.2
Benzyl alcohol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
bis(2-Chloroethyl) ether	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
bis(2-Chloroisopropyl) ether	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
bis(2-Ethylhexyl) phthalate	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	7.1	20 U	10 U
bis(2-Ethylhexyl) adipate	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Butyl benzyl phthalate	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Carbazole	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	91	10 U
Chrysene	0.042	0.053	0.48 U	0.96 U	0.95 U	0.0096 U	0.0095 U	0.012 U	0.0095 U	0.013 U	0.01 U	0.0097 U	0.0095 U	180	0.37
Dibenz[a,h]anthracene	0.01 U	0.0098 U	0.48 U	0.96 U	0.95 U	0.0096 U	0.0095 U	0.012 U	0.0095 U	0.013 U	0.01 U	0.0097 U	0.0095 U	21	0.12
Dibenzofuran	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	110	10 U
Diethyl phthalate	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Dimethyl phthalate	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	32
Di-n-butyl phthalate	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Di-n-octyl phthalate	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Fluoranthene	0.1 U	0.1	4.8 U	9.6 U	9.5 U	0.096 U	0.095 U	0.12 U	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	530	0.51 U
Fluorene	0.1 U	0.098 U	4.8 U	9.6 U	9.5 U	0.096 U	0.095 U	0.12 U	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	180	0.51 U
Hexachlorobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Hexachlorobutadiene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Hexachlorocyclopentadiene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Hexachloroethane	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Indeno[1,2,3-cd]pyrene	0.032	0.027	0.48 U	0.96 U	0.95 U	0.0096 U	0.0095 U	0.012 U	0.0095 U	0.013 U	0.01 U	0.0097 U	0.0095 U	72	0.25
Isophorone	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
1-Methylnaphthalene	0.91	0.5	9.2	18	23	0.25	0.25	0.56	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	44	0.51 U
2-Methylnaphthalene	1.1	0.73	4.8 U	22	29	0.37	0.37	0.93	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	95	1.8
Naphthalene	3.6	4.6	4.8 U	27	42	4.8	5.7	7.2	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	670	0.93
Nitrobenzene	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
N-Nitrosodimethylamine	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
N-Nitroso-di-n-propylamine	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
N-Nitrosodiphenylamine	--	--	--	--	--	--	--	--	--	13 U	10 U	9.7 U	9.5 U	200 U	100 U
Pentachlorophenol	--	--	--	--	--	--	--	--	--	6.6 U	5.2 U	4.9 U	4.7 U	100 U	51 U
Phenanthrene	0.2	0.17	4.8 U	9.6 U	9.5 U	0.096 U	0.095 U	0.12 U	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	830	0.51 U
Phenol	--	--	--	--	--	--	--	--	--	1.3 U	1 U	0.97 U	0.95 U	20 U	10 U
Pyrene	0.1 U	0.1	4.8 U	9.6 U	9.5 U	0.096 U	0.095 U	0.12 U	0.095 U	0.13 U	0.1 U	0.097 U	0.095 U	430	0.51 U
Pyridine	--	--	--	--	--	--	--	--	--	1.3 U	1 U	9.7 U	9.5 U	200 U	100 U
cPAHs TEF (ND = 1/2 RL) [3]	0.044	0.049	0.36 U	0.72 U	0.72 U	0.007 U	0.007 U	0.009 U	0.007 U	0.010 U	0.008 U	0.007 U	0.02	166.7	0.53

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
2. Samples Contain-GW and Product-GW are grab samples collected from the open UST excavations.
   Total cPAHs expressed as benzo(a)pyrene toxicity equivalent.
   One-half reporting limit (RL) was used for nondetected (ND) cPAH constituents.

Abbreviations
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
µg/L = micrograms per liter
ft bgs = feet below ground surface
SVOCs = semivolatile organic compounds
UST = underground storage tank

TABLE 3-15

GROUNDWATER ANALYTICAL RESULTS - POLYCHLORINATED BIPHENYLS[1]

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

Area of Site	North		Central				South	
Sample Location	KM-14	KM-16	KM-5	KM-7	KM-9	KM-10	KM-1	KM-2
Depth (ft bgs)	10 - 14	10 - 14	10 - 14	10 - 14	10 - 14	10 - 14	10 - 14	8 - 12
Analytes Sample Date	8/6/2009	8/6/2009	8/7/2009	8/7/2009	8/5/2009	8/6/2009	8/5/2009	8/5/2009
PCBs (µg/L)								
Aroclor 1016	0.051 U	0.051 U	0.053 U	0.051 U	0.1 U	0.05 U	0.1 U	0.1 U
Aroclor 1221	0.051 U	0.051 U	0.053 U	0.051 U	0.1 U	0.05 U	0.1 U	0.1 U
Aroclor 1232	0.051 U	0.051 U	0.053 U	0.051 U	0.1 U	0.05 U	0.1 U	0.1 U
Aroclor 1242	0.051 U	0.051 U	0.053 U	0.051 U	0.1 U	0.05 U	0.1 U	0.1 U
Aroclor 1248	0.051 U	0.051 U	0.053 U	0.051 U	0.1 U	0.05 U	0.1 U	0.1 U
Aroclor 1254	0.051 U	0.051 U	0.053 U	0.051 U	0.1 U	0.05 U	0.1 U	0.1 U
Aroclor 1260	0.051 U	0.051 U	0.053 U	0.051 U	0.1 U	0.05 U	0.1 U	0.1 U
Total PCBs	0.051 U	0.051 U	0.053 U	0.051 U	0.1 U	0.05 U	0.1 U	0.1 U

Notes

1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.

Abbreviations

µg/L = micrograms per liter

ft bgs = feet below ground surface

PCBs = polychlorinated biphenyls

TABLE 5-1

GROUNDWATER ELEVATIONS

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Well ID	TOC Elevation (feet)[1]	Date	Depth to Water (feet below TOC)	Groundwater Elevation (feet)[1]
KMW-01	19.37	3/28/2011	5.03	14.34
KMW-02	19.79	3/28/2011	5.33	14.46
KMW-03	18.64	3/28/2011	4.21	14.43
KMW-04	18.64	3/28/2011	4.52	14.12
KMW-05	18.88	3/28/2011	4.42	14.46

Notes
1. Elevations in feet above mean sea level.

Abbreviations
TOC = top of casing

TABLE 7-1

GROUNDWATER PARAMETERS, MARCH 28, 2011

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Monitoring Well	pH	SC (µs/cm)	ORP (mv)	DO (mg/L)
KMW-01	6.23	0.295	-93	2.11
KMW-02	5.59	0.218	-49	1.69
KMW-03	7.34	0.25	-159	1.28
KMW-04	6.93	0.46	-147	1.76
KMW-05	6.16	0.299	-67	1.33

Abbreviations
µs/cm = microsiemens per centimeter
DO = disolved oxygen
mg/L = milligrams per liter
mv = millivolts
ORP = oxidation reduction potential
SC = specific conductivity

TABLE 8-1

GROUNDWATER CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	MTCA Method B Cleanup Level, Standard Formula Value	Groundwater ARAR - Federal Primary MCL	Groundwater ARAR - State Primary MCL	PQLs	Cleanup Level
Metals						
Arsenic	0.58	0.06	10	10	3.3	3.3
Barium	7,000	3,200	2,000	2,000	28	2,000
Cadmium	17.5	8	5	5	4.4	5
Chromium	105	--	100	100	11	100
Copper	1,295	5.92	1,300	1,300	11	11
Lead	--	--	15	15	1.1	15
Mercury	10.5	4.8	2	2	0.5	2
Nickel	700	320	--	100	22	100
Selenium	175	80	50	50	5.6	50
Silver	175	80	--	--	11	80
Zinc	10,500	4,800	--	--	28	4,800
TPH [1]						
Diesel Range Organics	500	--	--	--	250	500
Lube Oil	500	--	--	--	400	500
Gasoline Range Organics	800/1,000	--	--	--	100,000	800/1000
VOCs						
cis-1,2-Dichloroethene	175	80	70	70	0.2	70
cis-1,3-Dichloropropene	--	--	--	--	0.2	--
trans-1,2-Dichloroethene	350	160	100	100	0.2	100
trans-1,3-Dichloropropene	--	--	--	--	0.2	--
1,1,1,2-Tetrachloroethane	16.83	0.22	--	--	0.2	0.22
1,1,1-Trichloroethane	35,000	16,000	200	200	0.2	200
1,1,2,2-Tetrachloroethane	2.19	0.22	--	--	0.2	0.22
1,1,2-Trichloroethane	7.68	0.77	5	5	0.2	0.77
1,1-Dichloroethane	3,500	1,600	--	--	20	1,600
1,1-Dichloroethene	3,500	400	7	7	20	20
1,1-Dichloropropene	--	--	--	--	0.2	--
1,2,3-Trichlorobenzene	--	--	--	--	0.2	--
1,2,3-Trichloropropane	0.06	0.01	--	--	0.2	0.2
1,2,4-Trichlorobenzene	175	80	70	70	0.2	70
1,2,4-Trimethylbenzene	875	400	--	--	0.2	400
chloropropane	0.31	0.03	0.2	0.2	1	1
1,2-Dibromoethane	0.22	0.02	0.05	0.05	0.2	0.2
1,2-Dichlorobenzene	1,575	720	600	600	0.2	600
1,2-Dichloroethane	4.81	0.48	5	5	0.2	0.48
1,2-Dichloropropane	6.43	0.64	5	5	0.2	0.64
1,3,5-Trimethylbenzene	875	400	--	--	0.2	400
1,3-Dichlorobenzene	--	--	--	--	0.2	--
1,3-Dichloropropane	--	--	--	--	0.2	--
1,4-Dichlorobenzene	18.23	1.82	75	75	0.2	1.82
2,2-Dichloropropane	--	--	--	--	0.2	--
2-Butanone	10,500	4,800	--	--	5	4,800
2-Chloroethyl vinyl ether	--	--	--	--	1	--
2-Chlorotoluene	--	--	--	--	0.2	--

TABLE 8-1

GROUNDWATER CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	MTCA Method B Cleanup Level, Standard Formula Value	Groundwater ARAR - Federal Primary MCL	Groundwater ARAR - State Primary MCL	PQLs	Cleanup Level
VOCs (Continued)						
2-Hexanone	--	--	--	--	2	--
4-Chlorotoluene	--	--	--	--	0.2	--
Acetone	1,750.00	800.00	--	--	5	800.00
Benzene	7.95	0.8	5.00	5.00	0.2	0.8
Bromobenzene	--	--	--	--	0.2	--
Bromochloromethane	--	--	--	--	0.2	--
Bromodichloromethane	7.06	0.71	80	80	0.2	0.71
Bromoform	55.38	5.54	80	80	1	5.54
Bromomethane	24.5	11.2	--	--	0.2	11.2
Carbon disulfide	1,750	800	--	--	0.2	800
Carbon tetrachloride	3.37	0.34	5	5	0.2	0.34
Chlorobenzene	350	160	100	100	0.2	100
Chloroethane	151	1,600	--	--	1	151
Chloroform	71.72	7.17	80	80	0.2	7.17
Chloromethane	33.65	3.37	--	--	1	3.37
Dibromochloromethane	5.21	0.52	80	80	0.2	0.52
Dibromomethane	175	80	--	--	0.2	80
Dichlorodifluoromethane	3,500	1,600	--	--	0.2	1,600
Ethylbenzene	1,750	800	700	700	0.2	700
Hexachlorobutadiene	3.5	0.56	--	--	0.2	0.56
Iodomethane	--	--	--	--	1	--
Isopropylbenzene	1,750	800	--	--	0.2	800
Methyl isobutyl ketone	1,400	640	--	--	2	640
Methyl t-butyl ether	243	24.3	--	--	0.2	24.3
Methylene chloride	58.33	5.83	5	5	1	5
Naphthalene	350	160	--	--	1	160
n-Butylbenzene	--	--	--	--	0.2	--
n-Propylbenzene	--	--	--	--	0.2	--
m,p-Xylene	3,500	1,600	--	--	0.4	1,600
o-Xylene	3,500	1,600	--	--	0.2	1,600
p-Isopropyltoluene	--	--	--	--	0.2	--
sec-Butylbenzene	NR	NR	--	--	0.2	--
Styrene	14.58	1.46	100	100	0.2	1.46
tert-Butylbenzene	--	--	--	--	0.2	--
Tetrachloroethene	180	80	5	5	0.2	5
Toluene	1,400	640	1,000	1,000	1	640
Trichloroethene	5	2.4	5	5	0.2	2.4
Trichlorofluoromethane	5,250	2,400	--	--	0.2	2,400
Vinyl acetate	17,500	8,000	--	--	2	8,000
Vinyl chloride	0.29	0.03	2	2	0.2	0.2
SVOCs						
(3+4)-Methylphenol (m,p-Cresol)	87.5	40	--	--	1	40
1,2,4-Trichlorobenzene	175	80	70	70	1	70
1,2-Dichlorobenzene	1,575	720	600	600	1	600
1,2-Dinitrobenzene	14	--	--	--	1	14
1,2-Diphenylhydrazine	1.09	0.11	--	--	1	1

TABLE 8-1

GROUNDWATER CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	MTCA Method B Cleanup Level, Standard Formula Value	Groundwater ARAR - Federal Primary MCL	Groundwater ARAR - State Primary MCL	PQLs	Cleanup Level
SVOCs (Continued)						
1,3-Dichlorobenzene	--	--	--	--	1	--
1,3-Dinitrobenzene	3.5	0.8	5.00	5.00	1	1.00
1,4-Dichlorobenzene	18.23	--	--	--	1	18.23
1,4-Dinitrobenzene	--	--	--	--	1	--
2,3,4,6-Tetrachlorophenol	1,050.00	480.00	--	--	1	480.00
2,3,5,6-Tetrachlorophenol	--	--	--	--	1	--
2,3-Dichloroaniline	--	--	--	--	1	--
2,4,5-Trichlorophenol	1,750	800	--	--	1	800
2,4,6-Trichlorophenol	39.77	3.98	--	--	1	3.98
2,4-Dichlorophenol	52.5	24	--	--	1	24
2,4-Dimethylphenol	350	160	--	--	1	160
2,4-Dinitrophenol	70	32	--	--	10	32
2,4-Dinitrotoluene	70	32	--	--	1	32
2,6-Dinitrotoluene	35	16	--	--	1	16
2-Chloronaphthalene	1,400	640	--	--	1	640
2-Chlorophenol	87.5	40	--	--	1	40
2-Methylphenol (o-Cresol)	875	400	--	--	1	400
2-Nitroaniline	NR	NR	--	--	1	--
2-Nitrophenol	--	--	--	--	1	--
3,3'-Dichlorobenzidine	1.94	0.19	--	--	1	1
3-Nitroaniline	--	--	--	--	1	--
4,6-Dinitro-2-methylphenol	875	400	--	--	5	400
4-Bromophenyl phenyl ether	--	--	--	--	1	--
4-Chloro-3-methylphenol	--	--	--	--	1	--
4-Chloroaniline	--	--	--	--	1	--
4-Chlorophenyl phenyl ether	--	--	--	--	1	--
4-Nitroaniline	--	--	--	--	1	--
4-Nitrophenol	--	--	--	--	1	--
Acenaphthene	2,100	960	--	--	1	960
Acenaphthylene	--	--	--	--	1	--
Aniline	76.75	7.68	--	--	1	7.68
Anthracene	10,500	4,800	--	--	1	4,800
Benzidine	0.004	0.0004	--	--	10	--
Benzo[a]anthracene	--	--	--	--	1	--
Benzo[a]pyrene	0.12	0.01	0.20	0.20	1	1.00
Benzo[b]fluoranthene	--	--	--	--	1	--
Benzo[g,h,i]perylene	--	--	--	--	1	--
Benzo[k]fluoranthene	--	--	--	--	1	--
Benzyl alcohol	5,250	2,400	--	--	1	2,400
Chloroethoxy)methane	--	--	--	--	1	--
bis(2-Chloroethyl) ether	0.4	0.04	--	--	1	1
bis(2-Chloroisopropyl) ether	700	320.00	--	--	1	320
bis(2-Ethylhexyl) phthalate	62.5	6.25	6.00	6.00	1	6

TABLE 8-1

GROUNDWATER CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	MTCA Method B Cleanup Level, Standard Formula Value	Groundwater ARAR - Federal Primary MCL	Groundwater ARAR - State Primary MCL	PQLs	Cleanup Level
SVOCs (Continued)						
bis(2-Ethylhexyl) adipate	729.17	72.92	400	400	1	72.92
Butyl benzyl phthalate	7,000	3,200	--	--	1	3,200
Carbazole	43.75	4.38	--	--	1	4.38
Chrysene	--	--	--	--	1	--
Dibenz[a,h]anthracene	--	--	--	--	1	--
Dibenzofuran	70	32	--	--	1	32
Diethyl phthalate	28,000	12,800	--	--	1	12,800
Dimethyl phthalate	35,000	16,000	--	--	1	16,000
Di-n-butyl phthalate	--	--	--	--	1	--
Di-n-octyl phthalate	700	320	--	--	1	320
Fluoranthene	1,400	640	--	--	1	640
Fluorene	1,400	640	--	--	1	640
Hexachlorobenzene	0.55	0.05	1.00	1.00	1	1
Hexachlorobutadiene	3.5	0.56	--	--	1	1
Hexachlorocyclopentadiene	105	48	50.00	50.00	1	48
Hexachloroethane	17.5	3.13	--	--	1	3.13
Indeno[1,2,3-cd]pyrene	--	--	--	--	1	--
Isophorone	460.53	46.05	--	--	1	46.05
1-Methylnaphthalene	--	--	--	--	1	--
2-Methylnaphthalene	--	--	--	--	1	--
Naphthalene	350	160	--	--	1	160
Nitrobenzene	8.75	4	--	--	1	4
N-Nitrosodimethylamine	0.01	0.0009	--	--	1	--
N-Nitroso-di-n-propylamine	--	--	--	--	1	--
N-Nitrosodiphenylamine	--	--	--	--	1	--
Pentachlorophenol	7.29	0.73	1	1	5	5
Phenanthrene	--	--	--	--	1	--
Phenol	10,500	4,800	--	--	1	4,800
Pyrene	1,050	480	--	--	1	480
Pyridine	17.5	8.00	--	--	1	8
cPAHs TEF (ND = 1/2 RL) [2]	--	--	--	--		--

TABLE 8-1

GROUNDWATER CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in micrograms per liter (µg/L)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	MTCA Method B Cleanup Level, Standard Formula Value	Groundwater ARAR - Federal Primary MCL	Groundwater ARAR - State Primary MCL	PQLs	Cleanup Level
PCBs						
Aroclor 1016	2.45	1.12	--	--	--	1.12
Aroclor 1221	--	--	--	--	--	--
Aroclor 1232	--	--	--	--	--	--
Aroclor 1242	--	--	--	--	--	--
Aroclor 1248	--	--	--	--	--	--
Aroclor 1254	0.7	--	--	--	--	0.70
Aroclor 1260	--	--	--	--	--	--
Total PCBs	0.44	0.04	0.50	0.50	--	0.04

Notes
1. MTCA Method A values used for TPH, since Method B not available
2. cPAH TEQ used b(a)p cleanup level value, per MTCA.

Abbreviations
µg/L = micrograms per liter
ARAR = applicable or relevant and appropriate requirements
MCL = Maximum Contaminant Level
MTCA = Model Toxics Control Act
PCBs = polychlorinated biphenyls
PQL = laboratory practical quantitation limit
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds

TABLE 8-2

SOIL CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	Soil Cleanup Level Protective of Groundwater	Puget Sound Regional Background Level	PQL	Cleanup Level
Metals					
Aluminum	--	--	32,600	5	32,600
Antimony	1,400	--	--	5	1,400
Arsenic	87.5	0.03	7	10	10
Barium	700,000	820	--	2.5	820
Beryllium	7,000	--	0.6	0.5	0.6
Cadmium	--	0.69	1	0.5	1
Chromium	5,250,000	38.4	48	0.5	48
Copper	140,000	2.63	36	0.5	36
Lead	--	3000	24	2.5	3,000
Mercury	--	2.09	0.07	0.25	2.09
Nickel	70,000	130	48	2.5	130
Selenium	17,500	5.20	--	10	10
Silver	17,500	2.74	--	0.5	2.74
Zinc	1,050,000	5970	85	2.5	5,970
TPH [1]					
Diesel Range Organics	2000	--	--	25	2,000
Lube Oil	2000	--	--	50	2,000
Gasoline Range Organics	30	--	--	5	30/100 [4]
VOCs					
cis-1,2-Dichloroethene	35,000	--	--	0.001	35,000
cis-1,3-Dichloropropene	--	--	--	0.001	--
trans-1,2-Dichloroethene	70,000	--	--	0.001	70,000
trans-1,3-Dichloropropene	--	--	--	0.001	--
1,1,1,2-Tetrachloroethane	5048.08	0.0013	--	0.001	0.001
1,1,1-Trichloroethane	7,000,000	1.58	--	0.001	1.58
1,1,2,2-Tetrachloroethane	656.25	0.0012	--	0.001	0.001
1,1,2-Trichloroethane	2302.63	0.0043	--	0.001	0.004
1,1-Dichloroethane	700,000	8.73	--	0.001	8.73
1,1-Dichloroethene	175,000	0.05	--	0.001	0.05
1,1-Dichloropropene	--	--	--	0.001	--
1,2,3-Trichlorobenzene	--	--	--	0.001	--
1,2,3-Trichloropropane	4.38	--	--	0.001	4.38
1,2,4-Trichlorobenzene	35,000	2.61	--	0.001	2.61
1,2,4-Trimethylbenzene	--	--	--	0.001	--
1,2-Dibromo-3-chloropropane	164	--	--	0.005	93.75
1,2-Dibromoethane	65.6	--	--	0.001	65.6
1,2-Dichlorobenzene	315,000	7.03	--	0.001	7.03
1,2-Dichloroethane	1442.31	0.002	--	0.001	0.002
1,2-Dichloropropane	1930.15	0.0033	--	0.001	0.003
1,3,5-Trimethylbenzene	35,000	--	--	0.001	35,000
1,3-Dichlorobenzene	--	--	--	0.001	--
1,3-Dichloropropane	1,310	--	--	0.001	1310
1,4-Dichlorobenzene	--	0.03	--	0.001	0.03
2,2-Dichloropropane	--	--	--	0.001	--
2-Butanone	2,100,000	--	--	0.005	2,100,000
2-Chloroethyl vinyl ether	--	--	--	0.005	--
2-Chlorotoluene	--	--	--	0.001	--
2-Hexanone	--	--	--	0.005	--
4-Chlorotoluene	--	--	--	0.001	--
Acetone	3,150,000	3.21	--	0.005	3.21
Benzene	2386.36	0.0045	--	0.001	0.0045

TABLE 8-2

SOIL CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	Soil Cleanup Level Protective of Groundwater	Puget Sound Regional Background Level	PQL	Cleanup Level
VOCs (Continued)					
Bromobenzene	--	--	--	0.001	--
Bromochloromethane	--	--	--	0.001	--
Bromodichloromethane	2116.94	0.0037	--	0.001	0.0037
Bromoform	16613.92	0.0363	--	0.001	0.036
Bromomethane	4,900	0.0518	--	0.001	0.052
Carbon disulfide	350,000	5.65	--	0.001	5.65
Carbon tetrachloride	1,880	0.0031	--	0.001	0.003
Chlorobenzene	70,000	0.874	--	0.001	0.874
Chloroethane	45300	--	--	0.001	45300
Chloroform	--	0.0382	--	0.001	0.038
Chloromethane	--	--	--	0.005	--
Dibromochloromethane	1562.5	0.0028	--	0.001	0.0028
Dibromomethane	35,000	--	--	0.001	35,000
Dichlorodifluoromethane	700,000	--	--	0.001	700000
Ethylbenzene	350,000	6.05	--	0.001	6.05
Hexachlorobutadiene	3,500	0.6	--	0.005	0.6
Iodomethane	--	--	--	0.005	--
Isopropylbenzene	350,000	--	--	0.001	350,000
Methyl isobutyl ketone	280,000	2.81	--	0.005	2.81
Methyl t-butyl ether	--	0.103	--	0.001	0.103
Methylene chloride	17,500	0.0218	--	0.005	0.022
Naphthalene	70,000	4.46	--	0.001	4.46
n-Butylbenzene	--	--	--	0.001	--
n-Propylbenzene	350,000	--	--	0.001	350,000
m,p-Xylene	700,000	13.5	--	0.002	13.5
o-Xylene	700,000	322	--	0.001	322
Total xylenes	700,000	13.5	--	--	13.5
p-Isopropyltoluene	--	--	--	0.001	--
sec-Butylbenzene	--	--	--	0.001	--
Styrene	--	0.0327	--	0.001	0.033
tert-Butylbenzene	--	--	--	0.001	--
Tetrachloroethene	0.05	0.0535	--	0.001	0.054
Toluene	280,000	4.65	--	0.005	4.65
Trichloroethene	1050	0.0159	--	0.001	0.016
Trichlorofluoromethane	1,050,000	--	--	0.001	1,050,000
Vinyl acetate	3,500,000	33.1	--	0.005	33.1
Vinyl chloride	87.5	0.0002	--	0.001	0.001
SVOCs					
(3+4)-Methylphenol (m,p-Cresol)	17,500	--	--	0.033	17,500
1,2,4-Trichlorobenzene	35,000	2.61	--	0.001	2.61
1,2-Dichlorobenzene	315,000	7.03	--	0.001	7.03
1,2-Dinitrobenzene	350	--	--	0.033	350
1,2-Diphenylhydrazine	164.06	--	--	0.033	164.06
1,3-Dichlorobenzene	--	--	--	0.001	--
1,3-Dinitrobenzene	350	--	--	0.170	350
1,4-Dichlorobenzene	--	0.03	--	0.001	0.03
1,4-Dinitrobenzene	14,000	--	--	0.033	14,000
2,3,4,6-Tetrachlorophenol	105,000	--	--	0.033	105,000
2,3,5,6-Tetrachlorophenol	--	--	--	0.033	--
2,3-Dichloroaniline	--	--	--	0.033	--
2,4,5-Trichlorophenol	350,000	28.8	--	0.033	28.8
2,4,6-Trichlorophenol	3,500	0.046	--	0.033	0.046

TABLE 8-2

SOIL CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	Soil Cleanup Level Protective of Groundwater	Puget Sound Regional Background Level	PQL	Cleanup Level
SVOCs (Continued)					
2,4-Dichlorophenol	10,500	0.167	--	0.033	0.167
2,4-Dimethylphenol	70,000	1.31	--	0.83	1.31
2,4-Dinitrophenol	193.01	0.128	--	0.17	0.17
2,4-Dinitrotoluene	7,000	0.189	--	0.033	0.189
2,6-Dinitrotoluene	3,500	0.0861	--	0.033	0.086
2-Chloronaphthalene	280,000	--	--	0.033	280,000
2-Chlorophenol	17,500	0.472	--	0.033	0.472
2-Methylphenol (o-Cresol)	175,000	--	--	0.033	175000
2-Nitroaniline	--	--	--	0.033	--
2-Nitrophenol	--	--	--	0.033	--
3,3'-Dichlorobenzidine	291.67	0.0036	--	0.033	0.033
3-Nitroaniline	--	--	--	0.033	--
4,6-Dinitro-2-methylphenol	175,000	--	--	0.17	175,000
4-Bromophenyl phenyl ether	--	--	--	--	--
4-Chloro-3-methylphenol	--	--	--	0.033	--
4-Chloroaniline	--	--	--	0.033	--
4-Chlorophenyl phenyl ether	--	--	--	--	--
4-Nitroaniline	--	--	--	0.033	--
4-Nitrophenol	--	--	--	0.033	--
Acenaphthene	210,000	97.9	--	0.0067	97.9
Acenaphthylene	--	--	--	0.0067	--
Aniline	23026.32	--	--	0.17	23026.32
Anthracene	1,050,000	2270	--	0.0067	2270
Benzidine	0.57	--	--	0.33	0.57
Benzo[a]anthracene	--	--	--	0.0067	--
Benzo[a]pyrene	17.98	0.232	--	0.0067	0.232
Benzo[b]fluoranthene	--	--	--	0.0067	--
Benzo[g,h,i]perylene	--	--	--	0.0067	--
Benzo[k]fluoranthene	--	--	--	0.0067	--
Benzyl alcohol	350,000	--	--	0.033	350,000
bis(2-Chloroethoxy)methane	--	--	--	0.033	--
bis(2-Chloroethyl) ether	119.32	0.0002	--	0.033	0.033
bis(2-Chloroisopropyl) ether	--	--	--	0.033	--
bis(2-Ethylhexyl) phthalate	9375	13.4	--	0.033	13.4
bis-2-Ethylhexyl adipate	109,375	--	--	0.033	109,375
Butyl benzyl phthalate	69,100	893	--	0.033	893
Carbazole	--	0.314	--	0.033	0.314
Chrysene	--	--	--	0.0067	--
Dibenz[a,h]anthracene	--	--	--	0.0067	--
Dibenzofuran	3,500	5.33	--	0.033	5.33
Diethyl phthalate	2,800,000	72.2	--	0.17	72.2
Dimethyl phthalate	--	--	--	0.033	--
Di-n-butyl phthalate	--	--	--	0.033	--
Di-n-octyl phthalate	--	532000	--	0.033	532000
Fluoranthene	140,000	631	--	0.0067	631
Fluorene	140,000	101	--	0.0067	101
Hexachlorobenzene	82.03	0.088	--	0.033	0.088
Hexachlorobutadiene	700	0.605	--	0.005	0.605
Hexachlorocyclopentadiene	21,000	192	--	0.033	192
Hexachloroethane	3,500	0.125	--	0.033	0.125
Indeno[1,2,3-cd]pyrene	--	--	--	0.0067	--
Isophorone	138157.89	0.227	--	0.033	0.227

TABLE 8-2

SOIL CLEANUP LEVELS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

All values are in milligrams per kilogram (mg/kg)

Constituents	MTCA Method C Cleanup Level, Industrial Land Use	Soil Cleanup Level Protective of Groundwater	Puget Sound Regional Background Level	PQL	Cleanup Level
SVOCs (Continued)					
1-Methylnaphthalene	--	--	--	0.0067	--
2-Methylnaphthalene	--	--	--	0.0067	--
Naphthalene	70,000	4.46	--	0.001	4.46
Nitrobenzene	7,000	0.026	--	0.033	0.026
N-Nitrosodimethylamine	28	--	--	0.033	28
N-Nitroso-di-n-propylamine	18.75	--	--	0.033	18.75
N-Nitrosodiphenylamine	26786	--	--	0.033	26786
Pentachlorophenol	328	0.012	--	0.001	0.012
Phenanthrene	--	--	--	0.0067	--
Phenol	1,050,000	22	--	0.033	22
Pyrene	105,000	655	--	0.033	655
Pyridine	3,500	--	--	0.33	3,500
cPAHs TEQ (ND=1/2 RL) [2]	17.98	0.232	--	--	0.232
PCBs					
Aroclor 1016	245	--	--	0.05	245
Aroclor 1221	--	--	--	0.05	--
Aroclor 1232	--	--	--	0.05	--
Aroclor 1242	--	--	--	0.05	--
Aroclor 1248	--	--	--	0.05	--
Aroclor 1254	70	--	--	0.05	70
Aroclor 1260	--	--	--	0.05	--
Total PCBs	65.6	--	--	0.05	1 [3]

Notes
1. MTCA Method A values used for TPH, since Method B and C not available
2. cPAHs TEQ compared to value for b(a)p.
3. PCB cleanup level selected to allow unrestricted use under MTCA and TSCA.
4. Gasoline cleanup level is 30 mg/kg if benzene is present, otherwise it is 100 mg/kg.

Abbreviations
cPAHs = carcinogenic polyaromactic hydrocarbons
mg/kg = milligrams per kilogram
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
TPH = total petroleum hydrocarbons
VOCs = volatile organic compounds

TABLE 9-1

TOTAL PETROLEUM HYDROCARBON DETECTIONS IN SOIL
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of the Site	TPH (mg/kg)			Diesel Range	Lube Oil	Gasoline Range	Mineral Spirit
	Cleanup Level (mg/kg)			2,000	2,000	30*	30
	Sample Location	Depth (ft bgs)	Sample Date				
North	KM-14	1.8-2	8/6/2009	35	130	8	--
	KM-15	3.8-4	8/6/2009	38	210	7.2 U	--
	KM-16	3.8-4	8/6/2009	27 U	160	5.9 U	--
	KM-19	3.5-4	12/23/2009	--	--	**430**	--
		6-6.5	12/23/2009	--	--	**8,200**	--
	KM-30	2-2.5	3/23/2011	--	--	**400**	--
		4.75-5.25	3/23/2011	--	--	**6,000**	--
Central	B7-Trench-1	2.5	11/24/2009	**21,000**	320	**30,000**	--
	B7-Trench-2	2.5	11/24/2009	**6,500**	450	**33,000**	--
	B7-Trench-3	2.5	11/24/2009	380	1,400	**72**	--
	Containment-E-Wall	9.5	10/27/2009	30 U	220	**58**	--
	Containment-N-Wall	9.5	10/27/2009	31 U	63 U	16	--
	Containment-S-Wall	9.5	10/27/2009	41 U	61 U	**88**	--
	Containment-W-Wall	9.5	10/28/2009	29 U	240	**150**	--
	Pipe-1	5.5	10/28/2009	44 U	200	18	--
	Pipe-C1	5.5	1/17/2009	28 U	56 U	15	--
	Product-N-Wall	9	10/22/2009	32 U	64 U	**100**	--
	Product-S-Wall	9	10/20/2009	30 U	61 U	9.8	--
	Product-W1b-Wall	9.5	1/13/2009	28 U	56 U	**120**	--
	Product-W2b-Wall	9.5	1/13/2009	97 U	54 U	**760**	--
	Tank-2-B	9.5	10/27/2009	31 U	62 U	**54**	--
	Tank-6-B	9.5	10/21/2009	30	56 U	**180**	--
	Tank-9-B	9.5	10/22/2009	88 U	61 U	28	--
	TP4	8	1/13/2009	54 U	55 U	**970**	--
	KM-5	2-2.5	8/7/2009	32 U	64 U	35	--
		6-6.5	8/7/2009	840 U	53 U	**4,400**	--
	KM-6	1.5-2	8/7/2009	27 U	54 U	**110**	--
		4-4.2	8/7/2009	36 U	53 U	**1,200**	--
	KM-7	1.8-2	8/7/2009	94 U	97	**1,200**	--
		6.8-7	8/7/2009	920 U	57 U	**2,300**	--
	KM-8	1.8-2	8/7/2009	34	140	**80**	--
		6.8-7	8/7/2009	2,200 U	54 U	**8,400**	--
	KM-10	1.2-1.5	8/6/2009	**5,600**	**2,200**	**11,000**	--
		5.2-5.5	8/6/2009	**2,700**	280	**5,400**	--
	KM-11	1.8-2	8/6/2009	1,100	440	**300**	--

TABLE 9-1

TOTAL PETROLEUM HYDROCARBON DETECTIONS IN SOIL
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of the Site	TPH (mg/kg)			Diesel Range	Lube Oil	Gasoline Range	Mineral Spirit
			Cleanup Level (mg/kg)	2,000	2,000	30*	30
	Sample Location	Depth (ft bgs)	Sample Date				
Central	KM-22	6.5-7	8/23/2010	150 U	290	**350**	--
		12.5-13	8/23/2010	29 U	59 U	**30**	--
	KM-23	7.5-8	8/23/2010	26 U	53 U	14	--
		10.5-11	8/23/2010	29 U	58 U	**44**	--
	KM-25	10.5-11	8/23/2010	39	100	6.1 U	--
	KM-33	4-4.5	3/22/2011	--	--	**3,300**	--
	KM-36	2-2.5	3/21/2011	--	--	**360**	--
		6-6.5	3/21/2011	--	--	**94**	--
	KM-37	2-2.5	3/21/2011	--	--	28	--
		5-5.5	3/21/2011	--	--	**81**	--
	KM-39	2-2.75	3/24/2011	--	--	**4,800**	--
	KM-39 (DUP)	2-2.75	3/24/2011	--	--	**4,900**	--
	KM-39	4.5-5	3/24/2011	--	--	**990**	--
	KM-40	1.5-2	3/21/2011	--	--	**250**	--
		4-4.5	3/21/2011	--	--	**280**	--
	KM-41	2.75-3.25	3/24/2011	--	--	**560**	--
		4.25-4.75	3/24/2011	--	--	**8,300**	--
	KMW-04	2-2.5	3/17/2011	--	--	27	--
	NE	6	3/18/1998	--	--	--	5.51
South	KM-1	1.5-2	8/5/2009	35	330	8.1 U	--

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
   -- = not analyzed/not available
   . - = no cleanup level given
   * If benzene is present
2. **Bold** values exceed cleanup level.

Abbreviations
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
TPH = total petroleum hydrocarbons

TABLE 9-2

TOTAL PETROLEUM HYDROCARBON DETECTIONS IN GROUNDWATER[1,2,3]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	TPH (µg/L)			Diesel Range	Lube Oil	Gasoline Range
			Cleanup Level	500	500	800/1,000
	Sample Location	Depth (ft bgs)	Sample Date			
North	KM-16	10 - 14	8/6/2009	280 U	450 U	**1,300**
	KM-19	7.5 - 11.5	12/23/2009	--	--	710
	KM-30	5 - 10	3/23/2011	--	--	**840**
Central	KM-5	10 - 14	8/7/2009	280 U	450 U	290
	KM-22	10-14	8/23/2010	1,400 U	430 U	**91,000**
	KM-33	4 - 9	3/22/2011	--	--	160
	KM-34	4 - 9	3/21/2011	--	--	190
	KM-36	5 - 10	3/21/2011	--	--	**31,000**
	KM-37	4 - 9	3/21/2011	--	--	**38,000**
	KM-39	5 - 10	3/24/2011	--	--	**6,600**
	KM-41	5 - 10	3/24/2011	--	--	**4,400**
	KM-41 (DUP)	5 - 10	3/24/2011	--	--	**5,700**
	KMW-03	3.2 - 13.2	3/28/2011	--	--	**7,700**
	KMW-03 (DUP)	3.2 - 13.2	3/28/2011	--	--	**7,000**
	KMW-04	3 - 13	3/28/2011	--	--	**75,000**
Contain-GW		*grab*	*10/27/2009*	*280 U*	*1,500*	*510,000*
Product-GW		*grab*	*10/22/2009*	*1,800 U*	*450*	*200,000*

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
   NA = not available
2. **Bold** values exceed cleanup level.
3. *Italic* = Grab samples collected from open UST excavations.

Abbreviations
DUP = field duplicate
ft bgs = feet below ground surface
µg/L = micrograms per liter
TPH = total petroleum hydrocarbons
UST = underground storage tank

TABLE 9-3

VOLATILE ORGANIC COMPOUND DETECTIONS IN SOIL [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of the Site	VOCs (mg/kg)			1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene	Methyl isobutyl ketone	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	m,p-Xylene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane
			Cleanup Level	8.73	--	35000	2,100,000	3.21	0.004	5.65	6.05	350,000	2.81	0.0218	4.46	-	350,000	13.5	322	-	-	-	0.05	4.65	0.016	1,050,000
	Sample ID	Depth (ft bgs)	Sample Date																							
Central	KM-14	1.8-2	8/6/2009	0.001 U	0.001 U	0.001 U	0.0051 U	0.0051 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.0051 U	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.001 U	0.0021
	KM-15	3.8-4	8/6/2009	0.0012 U	0.0012 UJ	0.0012 UJ	0.0059 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0059 U	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0024 U	0.0012 U	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0043	0.0059 U	0.0012 U	0.0024
	KM-16	3.8-4	8/6/2009	0.0013 U	0.0013 UJ	0.0013 UJ	0.0064 U	0.0064 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0064 U	0.0064 U	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0026 U	0.0013 U	0.0013 UJ	0.0013 UJ	0.0013 UJ	0.0013 U	0.0064 U	0.011	0.002	
	KM-19	6-6.5	12/23/2009	0.33 U	0.33 U	0.33 U	1.6 U	1.6 U	0.33 U	0.33 U	0.33 U	22	1.6 U	1.6 U	0.33 U	29	57	0.66 U	0.33 U	0.33 U	38	2	0.33 U	1.6 U	0.33 U	0.33 U	
	KM-30	2-2.5	3/23/2011	0.055 U	0.055 U	0.055 U	0.27 U	0.27 U	0.055 U	0.055 U	0.055 U	0.055 U	0.27 U	0.27 U	0.19	0.11	0.055 U	0.11 U	0.055 U	0.055 U	0.12	0.055 U	0.055 U	0.27 U	0.055 U	0.055 U	
		4.75-5.25	3/23/2011	0.48 U	0.48 U	0.48 U	2.4 U	2.4 U	0.48 U	0.48 U	0.48 U	4.2	2.4 U	2.4 U	0.48 U	7	6.7	0.95 U	0.48 U	0.48 U	14	0.86	0.48 U	2.4 U	0.48 U	0.48 U	
	KM-32	2.5-3	3/22/2011	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.005 U	0.005 U	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0016	0.005 U	0.001 U	0.001 U	
	B7-Trench-1	2.5	11/24/2009	1.1 U	62 J	20 J	5.5 U	5.5 U	1.1 U	1.1 U	1.8 J	1.4 J	5.5 U	5.5 U	1.1 U	10 J	4.8 J	17 J	3.6 J	3 J	2.2 J	1.1 U	1.1 U	**11 J**	1.1 U	1.1 U	
	B7-Trench-2	2.5	11/24/2009	1.2 U	210	54	14	6.2 U	1.2 U	1.2 U	**890**	20	25	6.2 U	**17**	21	28	**4,400**	**1,100**	11	9.6	1.2 U	1.2 U	**140**	1.2 U	1.2 U	
	B7-Trench-3	2.5	11/24/2009	0.0012 U	0.0018 J	0.0013 J	0.0058 U	0.0058 U	0.0012 U	0.0012 U	0.0022	0.0012 U	0.0058 U	0.0058 U	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.021	0.008	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0035	0.0058 U	0.0012 U	0.078	
	Containment-E-Wall	9.5	10/27/2009	0.065 U	0.14	0.065 U	0.33 U	0.33 U	0.065 U	0.065 U	0.5	1.5	0.33 U	0.33 U	0.075	0.52	2.2	1	0.065 U	0.065 U	0.38	0.065 U	0.065 U	0.33 U	0.065 U	0.065 U	
	Containment-N-Wall	9.5	10/27/2009	0.001 U	0.057	0.023	0.005 U	0.034	0.0016	0.001 U	0.71	0.035	0.005 U	0.005 U	0.007	0.0054	0.061	0.99	0.21	0.0018	0.0058	0.001 U	0.001 U	0.059	0.001 U	0.001 U	
	Containment-S-Wall	9.5	10/27/2009	1.3 U	2.5	1.4	6.7 U	6.7 U	1.3 U	1.3 U	**41**	1.3 U	6.7 U	6.7 U	1.3 U	1.3 U	1.3 U	**150**	28	1.3 U	1.3 U	1.3 U	1.3 U	6.7 U	1.3 U	1.3 U	
	Containment-W-Wall	9.5	10/28/2009	0.0013 U	0.057 J	0.029 J	0.0065 U	0.15 J	0.002 J	0.0013 U	0.072 J	0.044 J	0.0065 U	0.0065 U	0.013 J	0.0013 U	0.047 J	0.25 J	0.11 J	0.004 J	0.017 J	0.0022 J	0.0013 U	0.0065 U	0.0013 U	0.0013 U	
	Pipe-1	5.5	10/28/2009	0.0019 U	0.0019 U	0.0019 U	0.0097 U	0.0097 U	0.0036	0.0019 U	0.34	0.018	0.0097 U	0.0097 U	0.0019 U	0.0019 U	0.0019 U	1.2	0.31	0.0019 U	0.0019 U	0.0019 U	0.0038	0.02	0.0019 U	0.0019 U	
	Pipe-C1	5.5	11/17/2009	0.0011 U	0.0011 U	0.0011 U	0.006	0.036	0.0011 U	0.0015	0.0011 U	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.0011 U	0.0011 U	
	Product-E1-Wall	9	10/22/2009	0.001 U	0.001 U	0.001 U	0.0052 U	0.0092	0.001 U	0.001 U	0.001 U	0.0076	0.0052 U	0.0052 U	0.001 U	0.001 U	0.0038	0.0021 U	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.014	0.001 U	0.001 U	
	Product-E2-Wall	9	10/22/2009	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0089	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0055 U	0.0011 U	0.0011 U	0.0011 U	0.0022 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0055 U	0.0011 U	0.0011 U	
	Product-N-Wall	9	10/22/2009	0.074 U	0.074 U	0.074 U	0.37 U	0.37 U	0.074 U	0.074 U	0.099	0.42	0.37 U	0.37 U	0.074 U	0.19	0.47	0.15 U	0.074 U	0.074 U	0.15	0.074 U	0.074 U	0.37 U	0.074 U	0.074 U	
	Product-S-Wall	9	10/20/2009	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.032	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0069 U	0.0014 U	0.0014 U	0.0014 U	0.0027 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0014 U	0.0014 U	
	Product-W1b-Wall	9.5	11/13/2009	0.0011 U	0.042	0.018	0.033	0.21	0.0011 U	0.0011 U	0.67	0.19	0.0057 U	0.0057 U	0.003	0.038	0.33	0.018	0.0011 U	0.0072	0.063	0.0043	0.0011 U	0.0057 U	0.0011 U	0.0011 U	
	Product-W2b-Wall	9.5	11/13/2009	0.059 U	0.12	0.071	0.3 U	0.3 U	0.059 U	0.059 U	1.2	0.44	0.3 U	0.3 U	0.059 U	0.087	0.52	2.1	0.28	0.059 U	0.093	0.059 U	0.059 U	0.47	0.059 U	0.059 U	
	Tank-1-B	9.5	10/27/2009	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.028	0.0012 U	0.0097	0.009	0.0072	0.0062 U	0.0062 U	0.0012 U	0.0012 U	0.0083	0.011	0.0012 U	0.0012 U	0.0013	0.0012 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U	
	Tank-2-B	9.5	10/27/2009	0.0013 U	0.11	0.13	0.0066 U	0.055	0.0013 U	0.006	1.3	0.12	0.0066 U	0.0066 U	0.18	0.0013 U	0.18	2.6	0.58	0.014	0.044	0.0026	0.0013 U	0.095	0.0013 U	0.0013 U	
	Tank-3-B	9.5	10/20/2009	0.00096 U	0.00096 U	0.00096 U	0.0048 U	0.014	0.00096 U	0.00096 U	0.019	0.00096 U	0.0048 U	0.0048 U	0.00096 U	0.00096 U	0.00096 U	0.089	0.032	0.00096 U	0.00096 U	0.00096 U	0.00096 U	0.0048 U	0.00096 U	0.00096 U	
	Tank-5-B	9.5	10/21/2009	0.0011 U	0.0011 U	0.0011 U	0.0054 U	0.016	0.0011 U	0.0011 U	0.0012	0.0011 U	0.0054 U	0.0054 U	0.0011 U	0.0011 U	0.0011 U	0.005	0.0017	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.03	0.0011 U	0.0011 U	
	Tank-6-B	9.5	10/21/2009	0.055 U	0.055 U	0.055 U	0.28 U	0.28 U	0.055 U	0.055 U	0.083	0.073	0.28 U	0.28 U	0.055 U	0.055 U	0.13	0.28	0.055 U	0.055 U	0.055 U	0.055 U	0.055 U	0.3	0.055 U	0.055 U	
	Tank-7-B	9.5	10/22/2009	0.00093 U	0.00093 U	0.00093 U	0.0046 U	3.5	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.0046 U	0.0046 U	0.00093 U	0.00093 U	0.00093 U	0.0019 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.00093 U	0.0046 U	0.00093 U	0.00093 U	
	Tank-8-B	9.5	10/22/2009	0.001 U	0.001 U	0.001 U	0.0052 U	10	0.001 U	0.001 U	0.0056	0.001 U	0.0052 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.024	0.0086	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U	0.001 U	
	Tank-9-B	9.5	10/22/2009	0.0012 U	0.0012 U	0.0012 U	0.006	0.04	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U	
	TP4	1	11/13/2009	0.0027 U	0.0027 UJ	0.0027 UJ	0.013 U	0.013 U	0.0027 U	0.0027 U	0.0074	0.0027 U	0.013 U	0.013 U	0.0027 UJ	0.0027 UJ	0.0027 UJ	0.014	0.0027 U	0.0027 UJ	0.0027 UJ	0.0027 UJ	0.0027 U	0.013 U	0.0027 U	0.0027 U	
		8	11/13/2009	0.056 U	1	0.45	0.28 U	0.28 U	0.056 U	0.056 U	4.2	0.68	0.28 U	0.28 U	0.18	0.056 U	1.1	5.1	0.32	0.097	0.1	0.056 U	0.056 U	0.28 U	0.056 U	0.056 U	
	KM-1	1.5-2	8/5/2009	0.0014 U	0.0014 UJ	0.0014 UJ	0.022	0.16	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0069 U	0.0069 U	0.0014 UJ	0.0014 UJ	0.0014 UJ	0.0028 U	0.0014 U	0.0014 UJ	0.0014 UJ	0.0014 UJ	0.0014 U	0.0069 U	0.0014 U	0.0014 U	
	KM-2	1.5-2	8/5/2009	0.001 U	0.001 U	0.001 U	0.0052 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.0052 U	0.001 U	0.001 U	0.001 U	0.0021 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0052 U	0.001 U	0.0036	
	KM-5	2-2.5	8/7/2009	0.0016 U	0.0016 U	0.0016 U	0.011	0.076	0.0016 U	0.0016 U	0.0061	0.015	0.0078 U	0.0078 U	0.0038	0.0016 U	0.016	0.0031 U	0.0016 U	0.0016 U	0.003	0.0016 U	0.0016 U	0.0078 U	0.0016 U	0.0016 U	
		6-6.5	8/7/2009	0.3 U	0.3 U	0.3 U	1.5 U	1.5 U	0.3 U	0.3 U	**23**	1.6	1.5 U	1.5 U	0.3 U	0.55	1.7	0.59 U	0.3 U	0.3 U	0.36	0.3 U	0.3 U	1.5 U	0.3 U	0.3 U	
	KM-6	4-4.2	8/7/2009	0.062 U	1.3	0.35	0.31 U	0.31 U	0.062 U	0.062 U	**8.3**	0.77	0.31 U	0.31 U	0.21	0.062 U	0.9	11	1.8	0.088	0.14	0.062 U	0.062 U	0.33	0.062 U	0.062 U	
	KM-7	1.8-2	8/7/2009	2 U	3.6	2 U	9.9 U	9.9 U	2 U	2 U	**57**	2 U	47	9.9 U	2 U	2 U	2 U	**210**	59	2 U	2 U	2 U	2 U	**1,200**	2 U	2 U	
		6.8-7	8/7/2009	0.072 U	0.072 U	0.072 U	0.36 U	0.36	0.072 U	0.072 U	0.072 U	0.25	0.36 U	0.36 U	0.072 U	0.19	0.4	0.14 U	0.072 U	0.072 U	0.12	0.072 U	0.072 U	0.36 U	0.072 U	0.072 U	
	KM-8	1.8-2	8/7/2009	0.081 U	0.16	0.081 U	0.41 U	0.41 U	0.13	0.081 U	0.45	0.085	0.41 U	0.41 U	0.14	0.081 U	0.081 U	7.4	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.41 U	0.081 U	0.081 U	
		6.8-7	8/7/2009	2.4 U	27	10	12 U	12 U	2.4 U	2.4 U	**330**	6.4	12 U	12 U	2.4 U	2.4 U	7.5	**590**	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U	12 U	2.4 U	2.4 U	
	KM-9	1.8-2	8/5/2009	0.0013 U	0.0013 U	0.0013 U	0.0067 U	0.0067 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0067 U	0.0067 U	0.0013 U	0.0013 U	0.0013 U	0.0027 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0067 U	0.0013 U	0.0026	
	KM-10	1.2-1.5	8/6/2009	1.2 U	120	39	5.8 U	5.8 U	1.2 U	1.2 U	**440**	13	5.8 U	5.8 U	**150**	13	17	**2,400**	**660**	9.7	7.3	1.2 U	1.2 U	**37**	1.2 U	1.2 U	
		5.2-5.5	8/6/2009	0.31 U	0.5	0.31 U	1.6 U	1.6 U	0.31 U	0.31 U	2.6	2.7	1.6 U	1.6 U	1.9	1.8	3.6	11	2.7	0.31 U	1.1	0.31 U	0.31 U	1.6 U	0.31 U	0.31 U	

TABLE 9-3

VOLATILE ORGANIC COMPOUND DETECTIONS IN SOIL [1]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of the Site	VOCs (mg/kg)		1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene	Methyl isobutyl ketone	Methylene chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	m,p-Xylene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane
	Cleanup Level		**8.73**	**--**	**35000**	**2,100,000**	**3.21**	**0.004**	**5.65**	**6.05**	**350,000**	**2.81**	**0.0218**	**4.46**	**-**	**350,000**	**13.5**	**322**	**-**	**-**	**-**	**0.05**	**4.65**	**0.016**	**1,050,000**
	Sample ID	**Depth (ft bgs)**	**Sample Date**																						
Central (Continued)	KM-11	1.8-2	8/6/2009	0.02	0.0088 J	0.0018 UJ	0.0091 U	0.35	**0.0064**	0.0018 U	0.0032 J	0.0018 UJ	0.0091 U	0.0091 U	0.0018 UJ	0.0018 UJ	0.0018 UJ	0.021 J	0.0056 J	0.006 J	0.0079 J	0.0072 J	0.0018 UJ	0.0091 U	0.0018 U	0.0042
	KM-22	6.5-7	8/23/2010	0.0012 U	0.1	0.045	0.023	0.16	0.0015	0.0071	0.18	0.22	0.0059 U	0.0059 U	0.0012 U	0.0051	1.4	2.3	0.0088	0.0068	0.023	0.0026	0.0012 U	0.0059 U	0.0012 U	0.0012 U
		12.5-13	8/23/2010	0.067 U	0.12	0.067 U	0.34 U	0.34 U	0.067 U	0.067 U	1.9	0.067 U	0.34 U	0.34 U	0.067 U	0.067 U	0.067 U	6.4	2.5	0.067 U	0.067 U	0.067 U	0.067 U	0.34 U	0.067 U	0.067 U
	KM-23	7.5-8	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.012	0.067	0.0012 U	0.0012 U	0.0012 U	0.031	0.0061 U	0.0061 U	0.0012 U	0.0028	0.043	0.0024 U	0.0012 U	0.0012 U	0.0065	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U
		10.5-11	8/23/2010	0.0011 U	0.0011 U	0.0011 U	0.0057 U	0.041	0.0011 U	0.0011 U	0.0011 U	0.15	0.0057 U	0.0057 U	0.0011 U	0.016	0.19	0.0023 U	0.0011 U	0.0011 U	0.025	0.0027	0.0011 U	0.0057 U	0.0011 U	0.0011 U
	KM-24	7.5-8	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0061 U	0.0012 U	0.0012 U	0.0012 U	0.0025 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0061 U	0.0012 U	0.0012 U
		10.5-11	8/23/2010	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.006 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.006 U	0.0012 U	0.0012 U
	KM-25	10.5-11	8/23/2010	0.001 U	0.001 U	0.001 U	0.0088	0.058	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.0051 U	0.0021	0.001 U	0.001 U	0.0053	0.0022	0.001 U	0.001 U	0.001 U	0.001 U	0.0051 U	0.001 U	0.001 U
	KM-36	2-2.5	3/21/2011	--	--	--	--	--	**1.9**	--	0.32	--	--	--	--	--	--	3.2	0.31 U	--	--	--	--	0.53	--	--
		6-6.5	3/21/2011	--	--	--	--	--	**0.065**	--	0.061 U	--	--	--	--	--	--	0.2	0.31 U	--	--	--	--	0.061 U	--	--
	KM-37	2-2.5	3/21/2011	--	--	--	--	--	**0.098**	--	0.083 U	--	--	--	--	--	--	0.35	0.083 U	--	--	--	--	0.083 U	--	--
		5-5.5	3/21/2011	--	--	--	--	--	**0.077**	--	0.13 U	--	--	--	--	--	--	0.23	0.13 U	--	--	--	--	0.13 U	--	--
	KM-39	2-2.75	3/24/2011	--	--	--	--	--	**0.53**	--	**26**	--	--	--	--	--	--	**49**	3.3 U	--	--	--	--	**4.8**	--	--
	KM-39 (DUP)	2-2.75	3/24/2011	--	--	--	--	--	**0.47**	--	**20**	--	--	--	--	--	--	**42**	3.1 U	--	--	--	--	**4.9**	--	--
	KM-39	4.5-5	3/24/2011	--	--	--	--	--	0.021 U	--	0.11 U	--	--	--	--	--	--	1.3	0.55 U	--	--	--	--	0.11 U	--	--
	KM-40	1.5-2	3/21/2011	--	--	--	--	--	**0.58**	--	**7.1**	--	--	--	--	--	--	**25**	0.22	--	--	--	--	0.56	--	--
		4-4.5	3/21/2011	--	--	--	--	--	**0.3**	--	2.7	--	--	--	--	--	--	9.1	0.33	--	--	--	--	1.8	--	--
	KM-41	2.75-3.25	3/24/2011	0.56 U	11	8	2.8 U	2.8 U	0.56 U	0.56 U	2.9	1.8	2.8 U	2.8 U	2.8 U	**9**	0.56 U	1.6	**19**	11	2.3	1.9	0.56 U	0.56 U	2.8 U	0.56 U	0.56 U
		4.25-4.75	3/24/2011	0.43 U	2.5	1.2	2.2 U	2.2 U	0.43 U	0.43 U	0.71	1.6	2.2 U	2.2 U	**10**	1.9	2.7	3.5	1.6	0.62	1.5	0.43 U	0.43 U	2.2 U	0.43 U	0.43 U
	KMW-04	2-2.5	3/17/2011	--	--	--	--	--	0.02 U	--	1.2	--	--	--	--	--	--	0.65	0.085	--	--	--	--	0.079	--	--
	E	6	3/18/1998	--	0.1 U	0.4 U	2 U	--	--	0.188	0.1 U	0.1 U	2 U	--	0.1 U	0.1 U	0.1 U	--	--	0.1 U	0.1 U	--	--	0.1 U	--	--
South	KM-27	8-8.5	8/24/2010	0.0012 U	0.0012 U	0.0012 U	0.019	0.12	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0059 U	0.0012 U	0.0012 U	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0059 U	0.0012 U	0.0012 U
		10.5-11	8/24/2010	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.028	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.0066 U	0.0013 U	0.0013 U	0.0013 U	0.0026 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0013 U	0.0066 U	0.0013 U	0.0013 U
	KM-28	8.5-9	8/24/2010	0.0012 U	0.0012 U	0.0012 U	0.0092	0.041	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	**0.013**	0.0012 U	0.0012 U	0.0012 U	0.0025 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0062 U	0.0012 U	0.0012 U

Notes
1. Data flags are as follows:
   J = concentration shown is an estimate.
   U = analyte not detected at or above laboratory reporting limit indicated.
   UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
   -- = not analyzed/not available
   . - = no cleanup level given
2. **Bold** values cleanup level.

Abbreviations
DUP = field duplicate
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
MTCA = Model Toxics Control Act
VOCs = volatile organic compounds

TABLE 9-4

VOLATILE ORGANIC COMPOUND DETECTIONS IN GROUNDWATER[1,2,3]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	VOCs (µg/L)			*cis*- 1,2-Dichloroethene	*trans*- 1,2-Dichloroethene	1,1,1-Trichloroethane	1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,3,5-Trimethylbenzene	Benzene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	m,p-Xylene	o-Xylene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride
			Cleanup Level	70	100	200	20	400	0.4808	400	0.7955	700	800	160	--	--	1,600	1,600	--	--	--	640	2.4	2,400	0.2
	Sample Location	**Depth (ft bgs)**	**Sample Date**																						
North	KM-16	10 - 14	8/6/2009	8.9	0.4 U	0.4 U	0.59	33	0.4 U	7.8	0.4 U	93	21	3.7	0.4 U	28	47	5.6	3	11	1.3	12	0.6	0.4 U	**3.8**
	KM-17	7.5 - 11.5	12/23/2009	11	0.23	0.33	0.77	0.2 U	0.28	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	**9**	0.27	0.2 U
	KM-18	7.5 - 11.5	12/23/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.96	0.2 U	0.61	0.2 U	0.2 U	0.2 U	160	0.2 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
	KM-19	7.5 - 11.5	12/23/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	18	1 U	5.5	34	0.4 U	0.2 U	0.2 U	13	0.79	1 U	0.2 U	0.2 U	0.2 U
	KM-20	7.5 - 11.5	12/23/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	12	1 U	0.91	16	0.4 U	0.2 U	0.2 U	6.4	0.69	1 U	1.1	0.2 U	0.2 U
	KM-30	5 - 10	3/23/2011	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	8	1 U	4.3	10	0.4 U	0.2 U	0.2 U	12	1	1 U	0.2 U	0.2 U	0.2 U
	KM-31	5 - 10	3/22/2011	2.1	0.2 U	0.2 U	0.26	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	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.83	0.2 U	0.2 U
	KMW-02	4.2 - 14.2	3/28/2011	0.26	0.2 U	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	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
Central	KM-5	10 - 14	8/7/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.28	0.2 U	0.2 U	**4.2**	15	0.65	1 U	0.2 U	0.29	57	6.7	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
	KM-7	10 - 14	8/7/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.48	0.2 U	1 U	0.2 U	0.26	1	0.2 U	0.2 U	0.2 U	0.2 U	13	0.2 U	0.2 U	0.2 U
	KM-9	10 - 14	8/5/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.88	2.3	0.2 U	0.75	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
	KM-10	10 - 14	8/6/2009	0.2 U	0.2 U	0.2 U	0.2 U	0.25	0.2 U	0.2 U	0.2 U	1.2	0.2 U	1.1	0.2 U	0.2 U	5.9	1.7	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
	KM-21	7.5 - 11.5	12/23/2009	0.2 U	0.2 U	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	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U
	KM-22	10-14	8/23/2010	200 U	200 U	200 U	200 U	**520**	200 U	250	200 U	**8,900**	200 U	**1,000**	200 U	200 U	**27,000**	**9,000**	200 U	200 U	200 U	**4,700**	200 U	200 U	200 U
	KM-34	4 - 9	3/21/2011	--	--	--	--	--	--	--	1 U	13	--	--	--	--	56	18	--	--	--	1.4	--	--	--
	KM-36	5 - 10	3/21/2011	--	--	--	--	--	--	--	**93**	**4,700**	--	--	--	--	1,400	50 U	--	--	--	10 U	--	--	--
	KM-37	4 - 9	3/21/2011	--	--	--	--	--	--	--	**35**	**5,100**	--	--	--	--	**10,000**	1,600	--	--	--	10 U	--	--	--
	KM-39	5 - 10	3/24/2011	--	--	--	--	--	--	--	**11**	10 U	--	--	--	--	27	10 U	--	--	--	37	--	--	--
	KM-41	5 - 10	3/24/2011	0.4 U	0.4 U	0.4 U	0.4 U	6	0.4 U	1.3	**23**	9.6	24	92	4.8	30	26	9.1	0.52	4.4	0.57	2.4	0.4 U	0.4 U	0.4 U
	KM-41 (DUP)	5 - 10	3/24/2011	0.4 U	0.4 U	0.4 U	0.4 U	6.1	0.4 U	1.3	**23**	9.9	24	97	5	30	27	9.2	0.51	4.3	0.57	2.5	0.4 U	0.4 U	0.4 U
	KMW-03	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	**8.1**	**3,100**	--	--	--	--	18	4.0 U	--	--	--	4.0 U	--	--	--
	KMW-03 (DUP)	3.2 - 13.2	3/28/2011	--	--	--	--	--	--	--	**8.4**	**2,700**	--	--	--	--	18	4.0 U	--	--	--	4.0 U	--	--	--
	KMW-04	3 - 13	3/28/2011	--	--	--	--	--	--	--	**10**	**5,700**	--	--	--	--	**12,000**	**3,400**	--	--	--	**7,400**	--	--	--
Contain-GW		*grab*	*10/27/2009*	*100 U*	*100 U*	*100 U*	*100 U*	*430*	*100 U*	*120*	*100 U*	*13,000*	*100*	*590*	*100 U*	*100 U*	*45,000*	*12,000*	*100 U*	*100 U*	*100 U*	*1,200*	*100 U*	*100 U*	*100 U*
Product-GW		*grab*	*10/22/2009*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*100 U*	*8,100*	*100 U*	*500 U*	*100 U*	*100 U*	*37,000*	*13,000*	*100 U*	*100 U*	*100 U*	*17,000*	*100 U*	*100 U*	*100 U*

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed/not available
2. **Bold** values exceed cleanup level.
3. *Italic* = Grab samples collected from open UST excavations.

Abbreviations
ft bgs = feet below ground surface
µg/L = micrograms per liter
UST = underground storage tank
VOCs = volatile organic compounds

TABLE 9-5

POLYCHLORINATED BIPHENYL DETECTIONS IN SOIL [1,2,3]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of the Site	PCBs (mg/kg)			Aroclor 1254	Aroclor 1260	Total PCBs
			Cleanup Level	70	-	1
	Sample Location	Depth (ft bgs)	Sample Date			
Central	B7-Trench-3	2.5	11/24/2009	0.056 U	0.092	0.092
	KM09-8-78 [3]	Bottom of Scale Pit	8/31/2009	16	28	**44**
	KM09-8-79 [3]	Bottom of Scale Pit	8/31/2009	10 U	100	**100**
	KM-10	1.2-1.5	8/6/2009	0.052 U	0.14	0.14
	KM-14	1.8-2	8/6/2009	0.056 U	0.057	0.057
	KM-38	4.5-5	3/23/2011	0.054 U	0.24	0.24
	KM-39	2-2.75	3/24/2011	0.058 U	0.15	0.15
	KM-39 (DUP)	2-2.75	3/24/2011	0.055 U	0.19	0.19
	KM-41	2.75-3.25	3/24/2011	7.9 U	58	**58**
	KM-41	4.25-4.75	3/24/2011	1.3 U	10	**10**
	KM-42	1.75-2.25	3/24/2011	0.058 U	0.53	0.53
	KM-43	1.5-2	3/23/2011	0.052 U	0.17	0.17

Notes
1. Data flags are as follows:
   U = analyte not detected at or above
   laboratory reporting limit indicated.
   -- = not analyzed/not available
2. **Bold** values exceed cleanup level.
3. Samples collected from scale pits during 2009 PCB investigation; not related to boring KM-9.

Abbreviations
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
PCBs = polychlorinated biphenyls

TABLE 9-6

SEMIVOLATILE ORGANIC COMPOUND DETECTIONS IN SOIL [1,2]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of the Site	SVOCs (mg/kg)			(3+4)-Methylphenol (m,p-Cresol)	2,4-Dimethylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	bis(2-Ethylhexyl) phthalate	Carbazole	Chrysene	Dibenz[a,h]anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Isophorone	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene [3]	Phenanthrene	Pyrene	cPAHs TEQ (ND=1/2 RL) [3]
		Cleanup Level		17,500	1.31	97.90	-	2,270	-	0.23	-	-	-	13.4	0.314	-	-	5.33	631	101	-	0.227	-	-	4.46	-	655	0.23
	Sample Location	Depth (ft bgs)	Sample Date																									
North	KM-14	1.8-2	8/6/2009	0.037 U	0.037 U	0.048	0.017	0.043	0.12	*0.15*	0.14	0.14	0.11	0.042	0.037 U	0.16	0.04	0.037 U	0.21	0.023	0.11	0.037 U	0.04	0.042	0.025	0.16	0.24	0.20
	KM-15	3.8-4	8/6/2009	0.04 U	0.04 U	0.0099	0.062	0.084	0.19	**0.24**	0.34	0.3	0.2	0.052	0.04 U	0.27	0.081	0.044	0.3	0.013	0.24	0.04 U	0.086	0.11	0.086	0.2	0.29	**0.35**
	KM-16	3.8-4	8/6/2009	0.18 U	0.18 U	0.19	0.0072 U	0.2	2.6	**3.5**	8.3	5.2	3.6	0.18 U	0.18 U	4	2.1	0.18 U	2	0.073	4.6	0.18 U	0.023	0.036	0.07	0.89	1.9	**5.7**
		7.8-8	8/6/2009	0.035 UJ	0.035 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.035 UJ	0.035 UJ	0.014 UJ	0.014 UJ	0.035 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.035 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.014 UJ	0.011 U
	KM-30	2-2.5	3/23/2011	--	--	0.18	0.053	0.18	0.37	**0.37**	0.48	0.4	0.39	--	--	0.54	0.12	--	0.72	0.25	0.33	--	0.47	0.73	1.2	1	0.74	**0.54**
		4.75-5.25	3/23/2011	--	--	0.92	0.47 U	0.56	1.5	**1.4**	1.7	1.1	1.2	--	--	2.1	0.47 U	--	2.8	0.71	0.82	--	1.5	1.7	1.3	3.2	2.5	**2.0**
	KM-31	2.5-3	3/22/2011	--	--	0.0073 U	0.01	0.022	0.19	**0.25**	0.15	0.32	0.1	--	--	0.23	0.16	--	0.14	0.0073 U	0.14	--	0.0073 U	0.0073 U	0.0073 U	0.12	0.19	**0.33**
	KM-32	2.5-3	3/22/2011	--	--	0.069	0.0073 U	0.73 U	23	**24**	28	16	23	--	--	29	5.5	--	21	0.038	15	--	0.018	0.024	0.041	4	21	**34**
	KMW-02	5-5.5	3/18/2011	--	--	0.026	0.0085 U	0.03	0.23	**0.35**	0.42	0.38	0.3	--	--	0.34	0.11	--	0.35	0.012	0.3	--	0.0085 U	0.0085 U	0.015	0.15	0.31	**0.49**
Central	B7-Trench-1	2.5	11/24/2009	3.6 U	3.6 U	0.19	0.18 U	0.18 U	2	**2**	2.8	1.6	2.3	0.18 U	0.18 U	2.7	0.64	0.18 U	2.5	0.18 U	1.4	3.6 U	3.6 U	3.6 U	3.6 U	0.65	2.2	**2.94**
	B7-Trench-2	2.5	11/24/2009	3.7 UJ	3.7 UJ	0.51 J	0.19 UJ	0.19 UJ	7.4 J	**7.2 J**	12 J	7.2 J	6.9 J	0.19 UJ	0.19 UJ	12 J	3 J	0.27 J	7.1 J	0.33 J	6.4 J	3.7 UJ	3.7 UJ	*7.4 J*	**26 J**	1.6 J	6.4 J	**10.9**
	B7-Trench-3	2.5	11/24/2009	0.22	0.22	0.2	2.4	5.9	20	**21**	22	16	19	0.19 U	**0.49**	24	5	0.4	29	1.5	14	0.19 U	0.24	0.46	1.3	10	27	**29.2**
	Containment-E-Wall	9.5	10/27/2009	0.04 U	0.04 U	0.58	0.04 U	0.49	0.32	**0.3**	0.38	0.23	0.14	0.17	0.22	0.35	0.06	0.29	1.2	0.46	0.22	0.04 U	0.081	0.15	0.079	2	0.95	**0.42**
	Containment-S-Wall	9.5	10/27/2009	0.041 U	0.13	0.051	0.0081 U	0.064	0.046	0.042	0.062	0.034	0.016	0.041 U	0.041 U	0.058	0.01	0.041 U	0.16	0.045	0.028	0.041 U	0.0098	0.016	0.033	0.2	0.13	0.059
	Containment-W-Wall	9.5	10/28/2009	0.039 U	0.039 U	0.83	0.039 U	0.95	0.67	**0.68**	0.82	0.51	0.29	0.099	**0.32**	0.76	0.13	0.41	2.2	0.62	0.46	0.039 U	0.15	0.28	0.12	2.9	1.8	**0.92**
	Pipe-1	5.5	10/28/2009	0.057 U	0.057 U	0.011 U	0.011 U	0.011 U	0.017	0.025	0.037	0.031	0.013	0.057 U	0.057 U	0.023	0.011 U	0.057 U	0.045	0.011 U	0.024	0.057 U	0.013	0.011	0.012	0.037	0.049	0.03
	Pipe-C1	5.5	1/17/2009	0.037 U	0.037 U	0.01	0.0075 U	0.021	0.028	0.039	0.038	0.041	0.029	0.2	0.037 U	0.044	0.01	0.037 U	0.082	0.0093	0.029	0.037 U	0.0075 U	0.0075 U	0.0075 U	0.041	0.074	0.05
	Product-N-Wall	9	10/22/2009	0.042 U	0.042 U	0.025	0.0084 U	0.064	0.16	0.13	0.18	0.079	0.063	0.042 U	0.042 U	0.23	0.024	0.042 U	0.52	0.05	0.062	0.042 U	0.012	0.019	0.028	0.75	0.44	*0.18*
	Product-S-Wall	9	10/20/2009	0.041 U	0.041 U	0.0081 U	0.0081 U	0.0081 U	0.0081 U	0.0081 U	0.0088	0.0081 U	0.0081 U	0.041 U	0.041 U	0.0081 U	0.0081 U	0.041 U	0.017	0.0081 U	0.0081 U	0.041 U	0.0081 U	0.0081 U	0.0081 U	0.0081 U	0.016	0.007
	Product-W1b-Wall	9.5	5/3/2010	0.037 U	0.037 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.037 U	0.037 U	0.0075 U	0.0075 U	0.037 U	0.0098	0.0075 U	0.0075 U	0.037 U	0.0075 U	0.0075 U	0.0075 U	0.012	0.011	0.006 U
	Product-W2b-Wall	9.5	5/3/2010	0.036 U	0.036 U	0.0072 U	0.0072 U	0.014	0.043	0.058	0.044	0.049	0.043	0.036 U	0.036 U	0.054	0.0083	0.036 U	0.11	0.0076	0.04	0.036 U	0.0085	0.011	0.014	0.049	0.14	0.08
	Tank-1-B	9.5	10/27/2009	0.043 U	0.043 U	0.69	0.043 U	0.043 U	0.068	0.09	0.12	0.085	0.043 U	0.043 U	**0.33**	0.083	0.043 U	0.17	0.095	0.27	0.067	0.043 U	0.18	0.3	0.06	0.22	0.094	*0.12*
	Tank-3-B	9.5	10/20/2009	0.039 U	0.039 U	0.0078 U	0.0078 U	0.01	0.061	0.079	0.13	0.08	0.043	0.039 U	0.039 U	0.083	0.02	0.039 U	0.1	0.0078 U	0.067	0.039 U	0.0078 U	0.0078 U	0.0078 U	0.01	0.093	*0.11*
	Tank-4-B2	9.5	5/3/2010	0.04 U	0.04 U	0.0079 U	0.0079 U	0.0079 U	0.045	0.054	0.076	0.055	0.057	0.04 U	0.04 U	0.065	0.012	0.04 U	0.049	0.0079 U	0.047	0.04 U	0.0079 U	0.0079 U	0.0079 U	0.011	0.056	0.08
	Tank-6-B	9.5	10/21/2009	0.037 U	0.037 U	0.0075 U	0.0075 U	0.022	0.1	0.09	0.12	0.061	0.037	0.037 U	0.037 U	0.12	0.017	0.037 U	0.25	0.01	0.052	0.037 U	0.0085	0.013	0.026	0.11	0.25	*0.12*
	Tank-7-B	9.5	10/22/2009	0.038 U	0.038 U	0.0076 U	0.0076 U	0.0076 U	0.011	0.013	0.024	0.011	0.0076 U	0.038 U	0.038 U	0.014	0.0076 U	0.038 U	0.0098	0.0076 U	0.0091	0.038 U	0.0076 U	0.0076 U	0.0076 U	0.0076 U	0.0096	0.018
	Tank-8-B	9.5	10/22/2009	0.039 U	0.039 U	0.0078 U	0.0078 U	0.0078 U	0.022	0.025	0.066	0.024	0.016	0.039 U	0.039 U	0.041	0.0093	0.039 U	0.018	0.0078 U	0.021	0.039 U	0.0078 U	0.0078 U	0.0078 U	0.0078 U	0.017	0.039
	Tank-9-B	9.5	10/22/2009	0.037 U	0.037 U	0.052	0.0074 U	0.041	0.086	0.084	0.11	0.069	0.037	0.049	0.041	0.11	0.015	0.037 U	0.28	0.058	0.052	0.037 U	0.0074 U	0.0099	0.024	0.14	0.25	*0.12*
	TP4	1	11/13/2009	0.046 U	0.046 U	0.0091 U	0.0091 U	0.0091 U	0.034	0.055	0.061	0.05	0.04	0.046 U	0.046 U	0.05	0.011	0.046 U	0.055	0.0091 U	0.028	0.046 U	0.0091 U	0.0091 U	0.0091 U	0.024	0.058	0.07
		8	11/13/2009	0.037 U	0.037 U	0.0073 U	0.0073 U	0.0084	0.017	0.013	0.016	0.012	0.013	0.037 U	0.037 U	0.02	0.0073 U	0.037 U	0.046	0.0093	0.0099	0.037 U	0.018	0.04	0.091	0.054	0.052	0.019
	KM-5	2-2.5	8/7/2009	0.21 U	0.21 U	0.0085 U	0.0085 U	0.0085 U	0.0085 U	0.0085 U	0.0085 U	0.0085 U	0.0085 U	0.21 U	0.21 U	0.0085 U	0.0085 U	0.21 U	0.0085 U	0.0085 U	0.0085 U	0.21 U	0.0085 U	0.0089	0.015	0.0085 U	0.0085 U	0.006 U
		6-6.5	8/7/2009	0.18 U	0.18 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.007 U	0.18 U	0.18 U	0.007 U	0.007 U	0.18 U	0.01	0.007 U	0.007 U	0.18 U	0.037	0.062	0.052	0.015	0.012	0.005 U
	KM-6	1.5-2	8/7/2009	0.18 U	0.18 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.18 U	0.18 U	0.0072 U	0.0072 U	0.18 U	0.011	0.0072 U	0.0072 U	0.18 U	0.0072 U	0.0072 U	0.0072 U	0.014	0.012	0.005 U
		4-4.2	8/7/2009	0.18 U	0.18 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.18 U	0.18 U	0.0071 U	0.0071 U	0.18 U	0.012	0.0071 U	0.0071 U	0.18 U	0.011	0.015	0.023	0.014	0.013	0.005 U
	KM-7	1.8-2	8/7/2009	4.1	0.49 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.0098 U	0.49 U	0.49 U	0.0098 U	0.0098 U	0.49 U	0.025	0.0098 U	0.0098 U	0.49 U	0.013	0.023	0.14	0.017	0.024	0.007 U
		6.8-7	8/7/2009	0.19 U	0.19 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.19 U	0.19 U	0.0077 U	0.0077 U	0.19 U	0.0077 U	0.0077 U	0.0077 U	0.19 U	0.02	0.032	0.0077 U	0.0077 U	0.0077 U	0.006 U
	KM-8	1.8-2	8/7/2009	0.43 U	0.43 U	0.013	0.032	0.13	0.46	**0.81**	0.49	0.72	0.5	0.43 U	0.43 U	0.64	0.1	0.43 U	1.1	0.034	0.51	0.43 U	0.019	0.03	0.13	0.45	1.2	**1.0**
		6.8-7	8/7/2009	0.36 U	0.36 U	0.011	0.0072 U	0.0072 U	0.012	0.014	0.017	0.011	0.0072 U	0.36 U	0.36 U	0.013	0.0072 U	0.36 U	0.04	0.01	0.0082	0.36 U	0.12	0.21	0.69	0.034	0.054	0.019
	KM-9	1.5-2	8/5/2009	0.036 U	0.036 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.036 U	0.036 U	0.0072 U	0.0072 U	0.036 U	0.0072 U	0.0072 U	0.0072 U	0.036 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.0072 U	0.005 U
	KM-10	1.2-1.5	8/6/2009	0.34 U	**1.6**	3.5	0.42	1.4	2.4	**1.9**	2.5	1.7	2	0.34 U	**0.85**	3.2	0.5	1.4	7.7	3	1.3	0.34 U	*12*	*18*	**71**	8.9	7.4	**2.8**
		5.2-5.5	8/6/2009	0.35 U	0.35 U	4.7	0.35 U	1.6	1.4	**1.3**	1.4	0.95	1.1	0.35 U	0.35 U	2	0.35 U	1.5	5.3	3.6	0.72	0.35 U	*12*	*16*	1.1	9.1	4.7	**1.8**
	KM-11	1.8-2	8/6/2009	0.21 U	0.21 U	1.5	0.28	0.68	0.5	**0.54**	0.27	0.41	0.36	0.21 U	0.21 U	0.5	0.21 U	0.38	1.4	1	0.29	0.21 U	*4.1*	*3.3*	1	3.5	1.8	**0.70**
	KM-22	6.5-7	8/23/2010	0.051	1.1 U	0.0085 U	0.0095	0.018	0.075	0.089	0.079	0.064	0.075	0.043 U	0.043 U	0.093	0.02	0.043 U	0.12	0.0085 U	0.053	0.043 U	0.0097	0.0085	0.024	0.076	0.14	0.12
		12.5-13	8/23/2010	0.039 U	0.98 U	0.0078 U	0.0078 U	0.0096	0.016	0.015	0.013	0.014	0.013	0.039 U	0.039 U	0.02	0.0078 U	0.039 U	0.051	0.0088	0.011	0.039 U	0.027	0.061	0.2	0.061	0.063	0.021
	KM-23	7.5-8	8/23/2010	0.035 U	0.88 U	0.007 U	0.007 U	0.007 U	0.048	0.054	0.098	0.05	0.052	0.035 U	0.035 U	0.09	0.018	0.035 U	0.056	0.007 U	0.043	0.035 U	0.007 U	0.007 U	0.007 U	0.01	0.052	0.081
	KM-24	10.5-11	8/23/2010	0.04 U	1 U	0.0081 U	0.0081 U	0.0081 U	0.0081 U	0.0081 U	0.01	0.0081 U	0.0081 U	0.04 U	0.04 U	0.019	0.0081 U	0.04 U	0.023	0.0081 U	0.0081 U	0.04 U	0.0081 U	0.0081 U	0.0081 U	0.0081 U	0.016	0.007
	KM-25	10.5-11	8/23/2010	0.037 U	0.93 U	0.033	0.58	0.64	1.6	**1.5**	1.8	1	1.2	0.037 U	0.11	1.7	0.34	0.05	4.5	0.22	0.96	0.037 U	0.018	0.012	0.012	2	3.6	**2.11**
	KM-33	4-4.5	3/22/2011	--	--	0.36	0.053	0.37	0.11	0.033	0.035	0.025	0.024	--	--	0.14	0.0085 U	--	0.5	0.66	0.018	--	1.1	0.62	0.36	0.59	0.41	0.054

TABLE 9-6

SEMIVOLATILE ORGANIC COMPOUND DETECTIONS IN SOIL [1,2]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of the Site	SVOCs (mg/kg)			(3+4)-Methylphenol (m,p-Cresol)	2,4-Dimethylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	bis(2-Ethylhexyl) phthalate	Carbazole	Chrysene	Dibenz[a,h]anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Isophorone	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene [3]	Phenanthrene	Pyrene	cPAHs TEQ (ND=1/2 RL) [3]
		Cleanup Level		17,500	1.31	97.90	-	2,270	-	0.23	-	-	-	13.4	0.314	-	-	5.33	631	101	-	0.227	-	-	4.46	-	655	0.23
	Sample Location	Depth (ft bgs)	Sample Date																									
Central (continued)	KM-35	2-2.5	3/22/2011	--	--	0.0071 U	0.0071 U	0.0071 U	0.017	0.017	0.013	0.012	0.014	--	--	0.021	0.0071 U	--	0.027	0.0071 U	0.0098	--	0.0071 U	0.0071 U	0.0071 U	0.0071 U	0.031	0.023
		6.5-7	3/22/2011	--	--	0.036 U	0.036 U	0.048	3.7	**3.2**	5.9	2.5	4	--	--	5.7	1.1	--	1.5	0.036 U	2.3	--	0.07	0.1	0.063	0.33	1.6	**5.0**
	KM-36	2-2.5	3/21/2011	--	--	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	0.0077 U	--	--	0.0077 U	0.0077 U	--	0.0077 U	0.0077 U	0.0077 U	--	0.0084	0.0091	0.0087	0.0077 U	0.0077 U	0.0058 U
		6-6.5	3/21/2011	--	--	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	0.0075 U	--	--	0.0075 U	0.0075 U	--	0.0075 U	0.0075 U	0.0075 U	--	0.016	0.02	0.0075 U	0.0075 U	0.0075 U	0.0057 U
	KM-37	2-2.5	3/21/2011	--	--	0.0089 U	0.012	0.012	0.035	0.05	0.05	0.066	0.04	--	--	0.064	0.014	--	0.082	0.0089 U	0.048	--	0.035	0.036	0.025	0.072	0.082	0.069
		5-5.5	3/21/2011	--	--	0.0074 U	0.0074 U	0.0074 U	0.036	0.052	0.041	0.067	0.043	--	--	0.054	0.01	--	0.058	0.0074 U	0.045	--	0.009	0.013	0.0074 U	0.027	0.084	0.070
	KM-39	2-2.75	3/24/2011	--	--	2.7	0.38 U	0.72	0.56	**0.4**	0.47	0.38 U	0.4	--	--	0.77	0.38 U	--	1.9	1.8	0.38 U	--	6.7	10	**5.6**	4	1.7	**0.59**
	KM-39 (DUP)	2-2.75	3/24/2011	--	--	2.6	0.36 U	0.77	0.56	**0.42**	0.45	0.36 U	0.36 U	--	--	0.76	0.36 U	--	2.2	1.9	0.36 U	--	7.1	11	**5.8**	4.2	2	**0.58**
	KM-39	4.5-5	3/24/2011	--	--	0.94	0.046	0.27	0.18	0.15	0.14	0.12	0.11	--	--	0.24	0.033	--	0.64	0.66	0.092	--	2	2.6	0.045	1.5	0.61	0.21
	KM-41	2.75-3.25	3/24/2011	--	--	0.82	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	--	--	0.52 U	0.52 U	--	0.64	0.52 U	0.52 U	--	5.1	7.3	**12**	1.4	0.56	0.39 U
		4.25-4.75	3/24/2011	--	--	3.5	0.85 U	0.96	0.99	0.85 U	0.85 U	0.85 U	0.85 U	--	--	1.4	0.85 U	--	3.2	2.1	0.85 U	--	17	24	**37**	8.1	3.1	**0.71**
South	KM-1	1.5-2	8/5/2009	0.21 U	0.21 U	0.042 U	0.042 U	0.042 U	0.056	*0.11*	0.14	0.094	0.047	0.21 U	0.21 U	0.13	0.042 U	0.21 U	0.15	0.042 U	0.054	0.21 U	0.064	0.077	0.042 U	0.14	0.16	0.14
	KM-2	1.5-2	8/5/2009	0.035 U	0.035 U	0.007 U	0.007 U	0.007 U	0.024	0.033	0.035	0.026	0.016	0.035 U	0.035 U	0.029	0.0084	0.035 U	0.03	0.007 U	0.022	0.035 U	0.007 U	0.007 U	0.007 U	0.01	0.029	0.044

Notes
1. Data flags are as follows:
   -- = not analyzed
   J = concentration shown is an estimate.
   U = analyte not detected at or above laboratory reporting limit indicated.
   UJ = analyte not detected at or above value shown, which is estimated laboratory reporting limit.
2. **Bold** values exceed cleanup level.
3. Total cPAHs expressed as benzo(a)pyrene toxicity equivalent.
   One-half reporting limit (RL) was used for nondetected (ND) cPAH constituents.

Abbreviations
cPAH = carcinogenic polycyclic aromatic hydrocarbons
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
SVOCs = semivolatile organic compounds

TABLE 9-7

SEMIVOLATILE ORGANIC COMPOUND DETECTIONS IN GROUNDWATER [1,2,4]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	SVOCs (µg/L)			(3+4)-Methylphenol (m,p-Cresol)	1,4-Dinitrobenzene	2,4-Dimethylphenol	2-Methylphenol (o-Cresol)	Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	bis(2-Ethylhexyl) phthalate	Carbazole	Chrysene	Dibenz[a,h]anthracene	Dibenzofuran	Dimethyl phthalate	Di-n-octyl phthalate	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene	cPAHs TEF (ND = 1/2 RL)[3]
			Cleanup Level	40	--	160	400	960	--	4,800	--	1	--	--	--	6	4.38	--	--	32	16,000	320	640	640	--	--	--	160	--	480	0.012
	Sample Location	Depth (ft bgs)	Sample Date																												
North	KM-16	10 - 14	8/6/2009	1 U	1 U	1 U	1 U	0.1 U	0.1 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1 U	1 U	0.01 U	0.01 U	1 U	1 U	1 U	0.1 U	0.1 U	0.01 U	0.1 U	0.12	1.4	0.1 U	0.1 U	0.008 U
	KM-19	7.5 - 11.5	12/23/2009	--	--	--	--	--	--	--	0.0098	0.0097 U	0.0097 U	--	0.0097 U	--	--	0.0097 U	0.0097 U	--	--	--	--	--	0.0097 U	--	--	--	--	--	0.008 U
	KM-30	5 - 10	3/23/2011	--	--	--	--	0.96	0.96 U	0.96 U	0.096 U	0.096 U	0.096 U	0.096 U	0.096 U	--	--	0.096 U	0.096 U	--	--	--	0.96 U	0.96 U	0.096 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	0.072 U
	KM-32	5 - 10	3/22/2011	--	--	--	--	0.1 U	0.1 U	0.1 U	0.16	0.18	0.21	0.14	0.16	--	--	0.23	0.048	--	--	--	0.18	0.1 U	0.12	0.1 U	0.1 U	0.1 U	0.1 U	0.17	**0.25**
Central	KM-9	10 - 14	8/5/2009	1 U	1.6	1 U	1 U	0.33	0.1 U	0.1 U	0.021	0.014	0.02	0.01	0.01 U	1 U	1 U	0.02	0.01 U	1 U	1 U	1 U	0.1 U	0.14	0.01 U	0.45	0.27	0.77	0.12	0.1 U	**0.020**
	KM-10	10 - 14	8/6/2009	1 U	1 U	1 U	1 U	0.13	0.12	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	1 U	1 U	0.01 U	0.01 U	1 U	1 U	1.4	0.1 U	0.1 U	0.01 U	0.1 U	0.1 U	0.37	0.1 U	0.1 U	0.008 U
	KM-22	10-14	8/23/2010	9.7	0.95 U	20	3.6	0.095 U	0.095 U	0.095 U	0.022	0.022	0.017	0.015	0.017	0.95 U	0.95 U	0.025	0.0095 U	0.95 U	0.95 U	0.95 U	0.095 U	0.095 U	0.011	0.76	1.3	22	0.15	0.095 U	**0.03**
	KM-25	10-14	8/23/2010	0.99 U	0.99 U	0.99 U	0.99 U	0.099 U	0.099 U	0.099 U	0.064	0.061	0.054	0.039	0.051	1.9	0.99 U	0.076	0.012	0.99 U	0.99 U	0.99 U	0.17	0.099 U	0.035	0.099 U	0.099 U	0.099 U	0.12	0.14	**0.08**
	KM-33	4 - 9	3/22/2011	--	--	--	--	1.9	0.096 U	0.18	0.02	0.0096 U	0.0096 U	0.0096 U	0.0096 U	--	--	0.022	0.0096 U	--	--	--	0.14	0.93	0.0096 U	0.39	0.096 U	0.16	0.096 U	0.1	0.009
	KM-36	5 - 10	3/21/2011	--	--	--	--	0.43	0.1 U	0.1 U	0.035	0.032	0.027	0.05	0.021	--	--	0.042	0.01 U	--	--	--	0.1 U	0.1 U	0.032	0.91	1.1	3.6	0.2	0.1 U	**0.044**
	KM-37	4 - 9	3/21/2011	--	--	--	--	0.12	0.098 U	0.098 U	0.043	0.035	0.032	0.037	0.026	--	--	0.053	0.0098 U	--	--	--	0.1	0.098 U	0.027	0.5	0.73	4.6	0.17	0.1	**0.049**
	KM-39	5 - 10	3/24/2011	--	--	--	--	4.8 U	4.8 U	4.8 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	--	--	0.48 U	0.48 U	--	--	--	4.8 U	4.8 U	0.48 U	9.2	4.8 U	4.8 U	4.8 U	4.8 U	0.36 U
	KM-41	5 - 10	3/24/2011	--	--	--	--	9.6 U	9.6 U	9.6 U	0.96 U	0.96 U	0.96 U	0.96 U	0.96 U	--	--	0.96 U	0.96 U	--	--	--	9.6 U	9.6 U	0.96 U	18	22	27	9.6 U	9.6 U	0.72 U
	KM-41 (DUP)	5 - 10	3/24/2011	--	--	--	--	9.5 U	9.5 U	9.5 U	0.95 U	0.95 U	0.95 U	0.95 U	0.95 U	--	--	0.95 U	0.95 U	--	--	--	9.5 U	9.5 U	0.95 U	23	29	42	9.5 U	9.5 U	0.72 U
	KMW-03	3.2 - 13.2	3/28/2011	--	--	--	--	0.096 U	0.096 U	0.096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	--	--	0.0096 U	0.0096 U	--	--	--	0.096 U	0.096 U	0.0096 U	0.25	0.37	4.8	0.096 U	0.096 U	0.007 U
	KMW-03 (DUP)	3.2 - 13.2	3/28/2011	--	--	--	--	0.095 U	0.095 U	0.095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	--	--	0.0095 U	0.0095 U	--	--	--	0.095 U	0.095 U	0.0095 U	0.25	0.37	5.7	0.095 U	0.095 U	0.007 U
	KMW-04	3 - 13	3/28/2011	--	--	--	--	0.12 U	0.12 U	0.12 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	--	--	0.012 U	0.012 U	--	--	--	0.12 U	0.12 U	0.012 U	0.56	0.93	7.2	0.12 U	0.12 U	0.009 U
South	KM-29	10-14	8/24/2010	0.95 U	0.95 U	0.95 U	0.95 U	0.095 U	0.095 U	0.095 U	0.012	0.017	0.01	0.0095 U	0.0095 U	**7.1**	0.95 U	0.0095 U	0.0095 U	0.95 U	0.95 U	0.95 U	0.095 U	0.095 U	0.0095 U	0.095 U	0.095 U	0.095 U	0.095 U	0.095 U	**0.02**
Contain-GW		*grab*	*10/27/2009*	*20 U*	*20 U*	*20 U*	*20 U*	*180*	*20 U*	*310*	*150*	*120*	*160*	*72*	*46*	*20 U*	*91*	*180*	*21*	*110*	*20 U*	*20 U*	*530*	*180*	*72*	*44*	*95*	*670*	*830*	*430*	*166.7*
Product-GW		*grab*	*10/22/2009*	*10 U*	*10 U*	*12*	*14*	*0.51 U*	*0.51 U*	*0.51 U*	*0.3*	*0.37*	*0.65*	*0.29*	*0.2*	*10 U*	*10 U*	*0.37*	*0.12*	*10 U*	*32*	*10 U*	*0.51 U*	*0.51 U*	*0.25*	*0.51 U*	*1.8*	*0.93*	*0.51 U*	*0.51 U*	*0.53*

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed
2. **Bold** values exceed cleanup level.
3. Total cPAHs expressed as benzo(a)pyrene toxicity equivalent.
   One-half reporting limit (RL) was used for nondetected (ND) cPAH constituents.
4. *Italic* = Grab samples collected from open UST excavations.

Abbreviations
ft bgs = feet below ground surface
µg/L = micrograms per liter
MTCA = Model Toxics Control Act
NA = not available
UST = underground storage tank
SVOCs = semivolatile organic compounds

TABLE 9-8

METAL DETECTIONS IN SOIL [1,2]

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

Area of the Site	Metals (mg/kg)			Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
			Cleanup Level	32,600	10.00	820	1.00	48	36	3000	2.09	130.12	5,970
	Sample Location	Depth (ft bgs)	Sample Date										
North	KM-13	1.2-1.5	8/6/2009	--	11 U	35	0.53 U	23	--	5.3 U	0.26 U	--	--
	KM-14	1.8-2	8/6/2009	--	11 U	92	0.56 U	21	--	66	0.28 U	--	--
	KM-15	3.8-4	8/6/2009	--	**15**	390	0.6 U	26	--	410	0.83	--	--
	KM-16	3.8-4	8/6/2009	--	**14**	400	0.54 U	44	--	14	0.27 U	--	--
Central	B7-Trench-1	2.5	1/24/2009	--	11 U	37	0.54 U	19	--	34	0.28	--	--
	B7-Trench-2	2.5	1/24/2009	--	11 U	39	0.56 U	16	--	25	0.28 U	--	--
	B7-Trench-3	2.5	1/24/2009	--	11 U	93	**1.8**	15	--	200	0.28 U	--	--
	Containment-E-Wall	9.5	10/27/2009	--	12 U	--	0.59 U	21	13	5.9 U	0.3 U	25	31
	Containment-N-Wall	9.5	10/27/2009	--	13 U	--	0.63 U	7.2	7	6.3 U	0.31 U	4.1	17
	Containment-N-Wall	9.5	10/28/2009	--	17 U	--	0.87 U	26	**39**	21	0.44 U	25	100
	Containment-S-Wall	9.5	10/27/2009	--	12 U	--	0.61 U	24	11	6.1 U	0.3 U	27	26
	Containment-W-Wall	9.5	10/28/2009	--	12 U	--	0.58 U	12	20	34	0.29 U	12	55
	Pipe-C1	5.5	1/17/2009	--	11 U	--	0.56 U	18	15	9.8	0.28 U	22	68
	Product-E1-Wall	9	10/22/2009	--	11 U	--	0.56 U	13	28	5.6 U	0.28 U	13	24
	Product-E2-Wall	9	10/22/2009	--	12 U	--	0.58 U	18	26	5.8 U	0.29 U	14	25
	Product-N-Wall	9	10/22/2009	--	13 U	--	0.64 U	7.2	9.3	6.4 U	0.32 U	6.6	140
	Product-S-Wall	9	10/20/2009	--	12 U	--	0.61 U	5.6	5.3	6.1 U	0.3 U	5.2	14
	Product-W1b-Wall	9.5	5/3/2010	--	11 U	--	0.56 U	9	7.2	5.6 U	0.28 U	6.9	16
	Product-W2b-Wall	9.5	5/3/2010	--	11 U	--	0.54 U	9.4	8.8	5.4 U	0.27 U	9.3	17
	Tank-1-B	9.5	10/27/2009	--	13 U	--	0.65 U	9.5	8.9	6.5 U	0.32 U	11	21
	Tank-2-B	9.5	10/27/2009	--	12 U	--	0.62 U	8.9	9.5	6.2 U	0.31 U	11	23
	Tank-3-B	9.5	10/20/2009	--	12 U	--	0.58 U	16	26	5.8 U	0.29 U	15	27
	Tank-5-B	9.5	10/21/2009	--	12 U	--	0.6 U	11	25	6 U	0.3 U	12	23
	Tank-6-B	9.5	10/21/2009	--	11 U	--	0.56 U	7.8	9.3	5.6 U	0.28 U	8.8	25
	Tank-7-B	9.5	10/22/2009	--	11 U	--	0.57 U	13	33	5.7 U	0.29 U	13	29
	Tank-8-B	9.5	10/22/2009	--	12 U	--	0.59 U	15	30	5.9 U	0.29 U	15	27
	Tank-9-B	9.5	10/22/2009	--	12 U	--	0.61 U	17	13	7.2	0.31 U	22	95

TABLE 9-8

METAL DETECTIONS IN SOIL [1,2]

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

Area of the Site	Metals (mg/kg)			Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
			Cleanup Level	32,600	10.00	820	1.00	48	36	3000	2.09	130.12	5,970
	Sample Location	Depth (ft bgs)	Sample Date										
Central (continued)	TP4	1	5/3/2010	--	14 U	--	0.68 U	13	**110**	52	0.34 U	25	67
		8	5/3/2010	4	11 U	--	0.55 U	6.8	8.1	5.5 U	0.28 U	6.8	18
	KM-5	2-2.5	8/7/2009	--	13 U	24	0.64 U	6.1	--	6.4 U	0.32 U	--	--
	KM-5	6-6.5	8/7/2009	--	11 U	20	0.53 U	6.3	--	5.3 U	0.26 U	--	--
	KM-6	1.5-2	8/7/2009	--	11 U	37	0.54 U	10	--	5.4 U	0.27 U	--	--
		4-4.2	8/7/2009	--	11 U	26	0.53 U	8.4	--	5.3 U	0.27 U	--	--
	KM-7	1.8-2	8/7/2009	--	15 U	75	0.74 U	32	--	24	0.37 U	--	--
		6.8-7	8/7/2009	--	11 U	41	0.57 U	8	--	5.7 U	0.29 U	--	--
	KM-8	1.8-2	8/7/2009	--	13 U	61	0.65 U	20	--	12	0.32 U	--	--
		6.8-7	8/7/2009	--	11 U	28	0.54 U	7.4	--	5.4 U	0.27 U	--	--
	KM-9	1.5-2	8/5/2009	--	11 U	--	0.54 U	6.2	8.5	5.4 U	0.27 U	5.9	16
	KM-10	1.2-1.5	8/6/2009	--	10 U	110	**1.8**	**110**	--	700	0.26 U	--	--
		5.2-5.5	8/6/2009	--	11 U	26	0.53 U	7.4	--	17	0.27 U	--	--
	KM-11	1.5-2	8/6/2009	--	13 U	380	0.63 U	9.4	--	44	0.32 U	--	--
	KM-12	1.8-2	8/7/2009	--	11 U	16	0.53 U	7	--	5.3 U	0.26 U	--	--
	KM-22	6.5-7	8/23/2010	--	13 U	--	0.64 U	21	**86**	190	0.32 U	31	110
		12.5-13	8/23/2010	--	12 U	--	0.59 U	8.1	8.8	5.9 U	0.29 U	6.9	18
	KM-23	7.5-8	8/23/2010	--	11 U	--	0.53 U	8.6	23	20	0.26 U	9.2	36
		10.5-11	8/23/2010	--	12 U	--	0.58 U	6.5	9.6	5.8 U	0.29 U	7	17
	KM-24	7.5-8	8/23/2010	--	11 U	--	0.55 U	8.3	10	9.6	0.27 U	8.9	29
		10.5-11	8/23/2010	--	12 U	--	0.61 U	8.2	8.1	6.1 U	0.3 U	6.7	18
	KM-25	10.5-11	8/23/2010	--	11 U	--	0.56 U	31	24	32	0.28 U	14	34
	KM-26	8-8.5	8/23/2010	--	10 U	--	**1.9**	7.3	8.1	5.2 U	0.26 U	8.1	23
		11-11.5	8/23/2010	--	12 U	--	0.58 U	5.8	8.9	5.8 U	0.29 U	5.8	14
	NE	6	3/18/1998	8,820	2.21	--	0.5 U	--	--	--	--	--	--
	SE	6	3/18/1998	6,450	2.02	--	0.5 U	--	--	--	--	--	--
	E	6	3/18/1998	7,630	2.19	--	0.5 U	--	--	--	--	--	--

TABLE 9-8

METAL DETECTIONS IN SOIL [1,2]

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of the Site	Metals (mg/kg)			Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Zinc
			Cleanup Level	32,600	10.00	820	1.00	48	36	3000	2.09	130.12	5,970
	Sample Location	Depth (ft bgs)	Sample Date										
South	KM-27	8-8.5	8/24/2010	--	11 U	--	0.53 U	7.2	8.8	5.3 U	0.26 U	7	14
		10.5-11	8/24/2010	--	12 U	--	0.59 U	6.5	9.3	5.9 U	0.3 U	6.4	15
	KM-28	8.5-9	8/24/2010	--	11 U	--	0.55 U	6.8	8.8	5.5 U	0.27 U	7.6	40
		10.5-11	8/24/2010	--	11 U	--	0.55 U	6	8.4	5.5 U	0.27 U	6.2	17
	KM-29	7.5-8	8/24/2010	--	11 U	--	0.53 U	7	8.9	5.3 U	0.27 U	8	15
		10.5-11	8/24/2010	--	11 U	--	0.54 U	7.3	8.1	5.4 U	0.27 U	7.6	14
	KM-1	1.5-2	8/5/2009	--	13 U	--	**1.8**	17	**59**	370	0.31 U	14	150
	KM-2	1.5-2	8/5/2009	--	11 U	--	0.73	10	21	26	0.26 U	9.1	40

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed/not available
2. **Bold** values exceed industrial and unrestricted levels.

Abbreviations
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram

TABLE 9-9

METAL DETECTIONS IN GROUNDWATER [1,2,3]
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Area of Site	Sample Location	Depth (ft bgs)	Sample Date	Arsenic	Arsenic (dissolved)	Chromium	Chromium (dissolved)	Copper	Lead	Lead (dissolved)	Mercury	Nickel	Zinc
	Metals (µg/L)												
	Cleanup Level			3.3	3.3	100	100	11	15	15	2	100	4,800
North	KMW-01		3/28/2011	--	3 U	--	10 U	--	1 U	--	--	--	--
	KMW-02	4.2 - 14.2	3/28/2011	**--**	3 U	**--**	10 U	**--**	1 U	**--**	**--**	**--**	**--**
Central	KM-10	10 - 14	8/6/2009	3.3 U	--	11 U	--	--	1.4	--	0.5 U	--	--
	KM-22	10 - 14	8/23/2010	**17**	--	11 U	--	**25**	4.5	--	0.5 U	22 U	28 U
	KM-25	10 - 14	8/23/2010	**13**	--	28	--	**34**	**19**	--	0.5 U	20	55
	KM-33	4 - 9	3/22/2011	**8.2**	--	25	--	--	6.5	--	--	--	--
	KM-36	5 - 10	3/21/2011	**20**	--	11 U	--	--	1.1 U	--	--	--	--
	KM-37	4 - 9	3/21/2011	**15**	--	11 U	--	--	13	--	--	--	--
	KM-39	5 - 10	3/24/2011	**17**	--	11 U	--	--	2.9	--	--	--	--
	KM-41	5 - 10	3/24/2011	**11**	--	11 U	--	--	**60**	--	--	--	--
	KM-41 (DUP)	5 - 10	3/24/2011	**11**	--	11 U	--	--	**66**	--	--	--	--
	KMW-03	3.2 - 13.2	3/28/2011	--	3 U	--	10 U	--	1 U	--	--	--	--
	KMW-03 (DUP)	3.2 - 13.2	3/28/2011	--	3 U	--	10 U	--	1 U	--	--	--	--
	KMW-04	3 - 13	3/28/2011	**12**	**12**	11 U	10 U	--	1.1 U	1 U	--	--	--
	KMW-05		3/28/2011	**--**	3 U	**--**	10 U	**--**	1 U	**--**	**--**	**--**	--
South	KM-1	10 - 14	8/5/2009	3.3 U	--	11 U	--	11 U	**22**	--	0.5 U	22 U	36
	KM-29	10-14	8/24/2010	**8.6**	**--**	11 U	**--**	11 U	1.6	**--**	0.5 U	22 U	28 U
Contain-GW		*grab*	*10/27/2009*	*58*	--	*110*	--	*310*	*500*	--	*0.88*	*120*	*2,000*
Product-GW		*grab*	*10/22/2009*	*12*	--	*30*	--	*110*	*14*	--	*0.5 U*	*26*	*120*

Notes
1. Data flags are as follows:
   U = analyte not detected at or above laboratory reporting limit indicated.
   -- = not analyzed or not available
2. **Bold** values exceed groundwater cleanup level.
3. *Italic* = Grab samples collected from open UST excavations.

Abbreviations
DUP = field duplicate
ft bgs = feet below ground surface
µg/L = micrograms per liter
UST = underground storage tank

TABLE 11-1

SUMMARY OF TECHNOLOGIES EVALUATED
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Technology	Description	Media Affected	Contaminants Affected	Carried Forward (Y/N)	Reason, if not carried forward
No Action	No further action taken at the Site.	Soil, Groundwater	None	N	Would not achieve the CAOs
Institutional Controls	Restrictive covenants (e.g., deed restrictions, posted notifications) and access restrictions (e.g., fencing). Long-term groundwater monitoring also is considered as a potential response action.	Soil, Groundwater	Immobile constituents	N	Does not work with future site plans.
Engineering Controls (e.g. Containment)	Physical barriers to human and ecological contact with contaminated media, including a surface cover (e.g., asphalt or concrete pavement or a shallow reinforced geotextile barrier layer) or a multi-layer, low permeability cap.	Soil, Groundwater	All	N	Does not work with future site plans.
Monitored Natural Attenuation	Ongoing monitoring to ensure that naturally occuring bacteria are degrading contaminants without enhancement.	Groundwater	VOCs, TPH-G,	**Y**	Would not achieve the CAOs alone, but could be part of a more complex remedy
Soil excavation & disposal	Soil removal and storage in a permitted, off-site landfill.	Soil	All	**Y**	
Soil Stabilization	Physical stabilization/solidification using portland cement or other pozzolanic materials to immobilize constituents.	Soil	Metals	N	Not feasible under buildings and where majority of surface is concrete
Soil vapor extraction	Removal and treatment of soil gas in the vadose zone to remove volatile contaminants from soil.	Soil	VOCs, TPH-G	N	Not effective with shallow GW
Bioventing	Inducing air flow in the unsaturated zone to enhance microbial degradation of constituents.	Soil	VOCs, TPH-G	N	Not effective with shallow GW

TABLE 11-1

SUMMARY OF TECHNOLOGIES EVALUATED
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Technology	Description	Media Affected	Contaminants Affected	Carried Forward (Y/N)	Reason, if not carried forward
Dual Phase Vaccuum Extraction	Extraction and treatment of soil vapor, impacted groundwater, and non-aqueous liquids.	Soil, Groundwater	VOCs, TPH-G	**Y**	
Thermal Desorption	Steam/hot air injection or electrical resistance/electromagnetic/fiber optic/radio frequency heating is used to increase the volatilization rate of semi-volatiles and facilitate extraction.	Soil, Groundwater	VOCs, TPH-G, cPAHs	N	Used in conjuction with SVE; may drive contaminants into buildings or off-site; typically cost prohibitive
In Situ Chemical Oxidation	Injection of a chemical oxidant to destroy contaminants in soil and groundwater.	Soil, Groundwater	VOCs, TPH-G, cPAHs	**Y**	
Biosparging	Low rate air injection to enhance microbial degradation.	Groundwater	PAHs, VOCs, TPH-G	**Y**	May be used as polishing step
Air Sparging	Injection of air into groundwater to strip volatile contaminants.	Groundwater	VOCs, TPH-G	N	Used in conjuction with SVE; may drive contaminants into buildings or off-site.

Abbreviations
CAOs = Cleanup Action Objectives
cPAHs = carcinogenic polycyclic aromatic hydrocarbons
GW = groundwater
PAHs = polycyclic aromatic hydrocarbons
SVE = soil vapor extraction
TPH-G = total petroleum hydrocarbons gasoline range
VOCs = volatile organic compounds

TABLE 13-1

SUMMARY OF MTCA EVALUATION AND RANKING OF CLEANUP ACTION ALTERNATIVES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Alternative Number	1	2	3	4
Alternative Ranking Under MTCA				
1. Compliance with MTCA Threshold Criteria	YES	YES	YES	YES
2. Approximate Restoration Time Frame	3 Years	4 Years	2 to 3 Years	2 to 3 Years
3. Relative Benefits Ranking[1]	21	23	15	20
Protectiveness	4	4	4	4
Permanence	4	4	4	4
Long-Term Effectiveness	3	4	3	4
Management of Short-Term Risks	4	4	2	3
Technical and Administrative Implementability	2	4	1	3
Consideration of Public Concerns	4	3	1	2
4. Disproportionate Cost Analysis				
Probable Remedy Cost (+50%/-30%, rounded)	$2,727,000	$1,353,000	$3,139,000	$2,433,000
Costs Disproportionate to Incremental Benefits	YES	NA[2]	YES	YES
Practicability of Remedy	Practicable	Practicable	Practicable	Practicable
Remedy Permanent to Maximum Extent Practicable	Yes[3]	Yes[3]	Yes[3]	Yes[3]
Overall Alternative Ranking	**2nd**	**1st**	**4th**	**3rd**

Notes

1. Rankings are based on a score of 1 through 5, where 5 is the best score and 1 is the worst score.
2. Not applicable since this is the lowest cost alternative.
3. May require modification due to site conditions and existing land use.

Abbreviations

NA = Not Applicable, see note 2.
MTCA = Model Toxic Control Act

FIGURES

Note: Base map from U.S.G.S. Seattle South E, WA.
(7.5' Map Series)

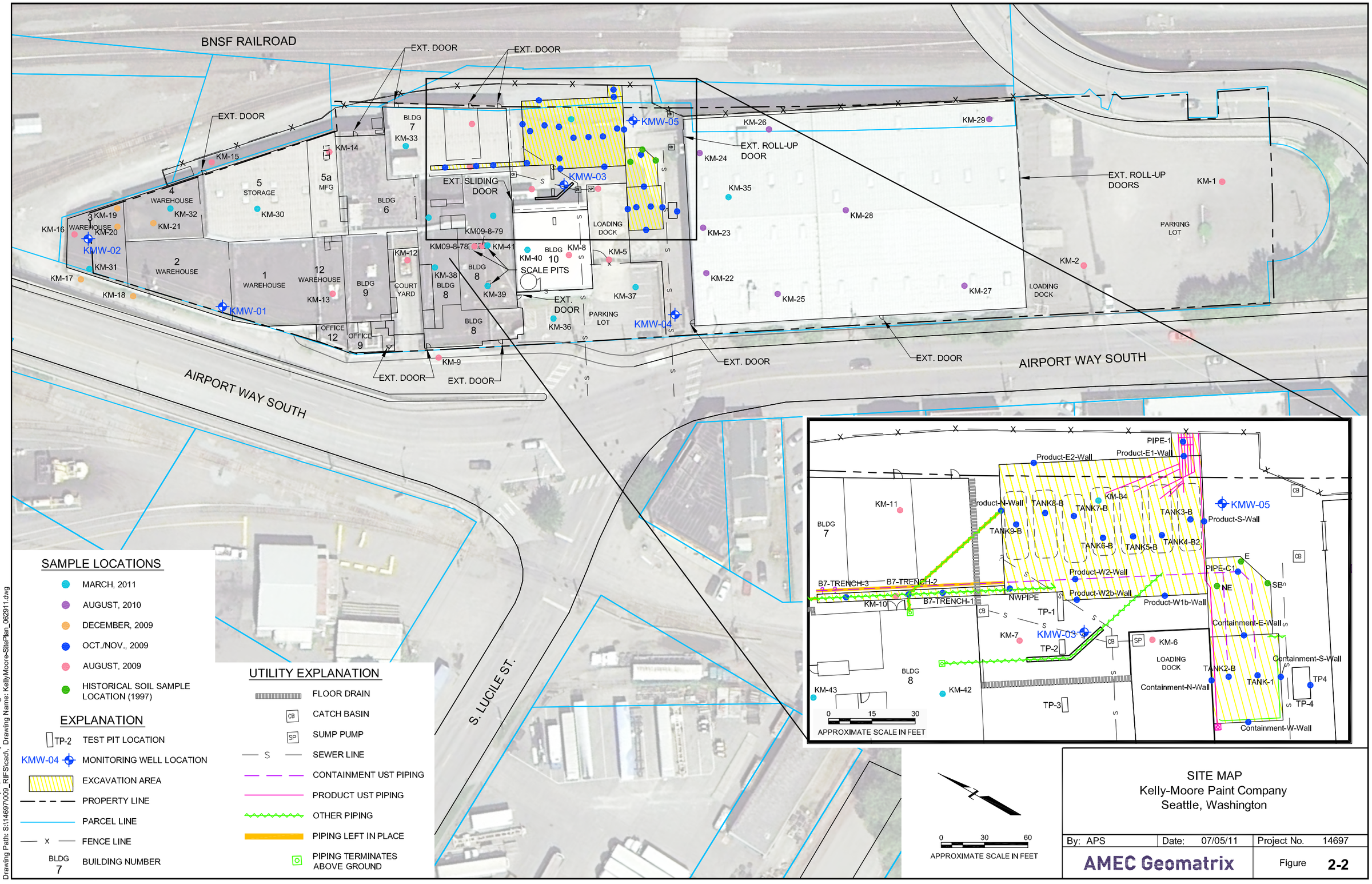
N

0 1,000 2,000
Feet

PROJECT LOCATION
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/27/10	Project No. 14697
AMEC Geomatrix		Figure 2-1

S:\14697\009_RIFS\GIS\KellyMoore_VicinityMap.mxd



SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- DECEMBER, 2009
- OCT./NOV., 2009
- AUGUST, 2009
- HISTORICAL SOIL SAMPLE LOCATION (1997)

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- BLDG 7 — BUILDING NUMBER

UTILITY EXPLANATION

- FLOOR DRAIN
- CB — CATCH BASIN
- SP — SUMP PUMP
- S — SEWER LINE
- CONTAINMENT UST PIPING
- PRODUCT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND

SITE MAP
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/05/11	Project No. 14697
AMEC Geomatrix		Figure 2-2

Plot Date: 07/05/11 - 4:26pm, Plotted by: mike.stenberg
Drawing Path: S:\14697\009_RIF\Scad\, Drawing Name: KellyMoore-SitePlan_062911.dwg

PCB SAMPLE LOCATIONS
CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 3-1

Plot Date: 07/06/11 - 4:18pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_PCB-SampLoc_070611.dwg

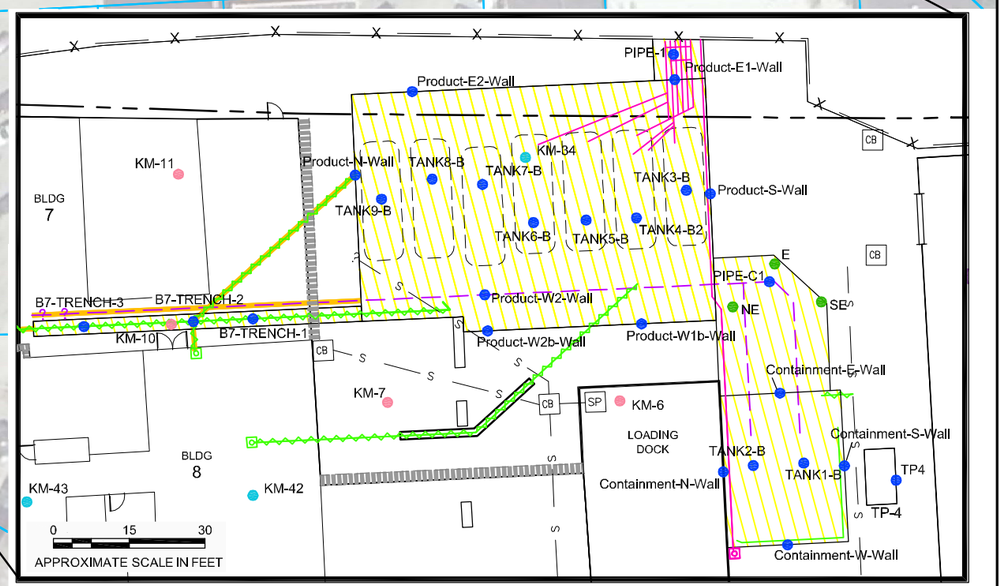
BNSF RAILROAD

AIRPORT WAY SOUTH

AIRPORT WAY SOUTH

S. LUCILE ST.

BLDG 7 KM-33 | KM-14 | KM-15 | 5 STORAGE | 5a MFG | BLDG 6 | 4 WAREHOUSE | KM-19 | 3 WAREHOUSE | KM-16 | KMW-02 | KM-20 | KM-32 | KM-30 | KM-31 | KM-17 | 2 WAREHOUSE | 1 WAREHOUSE | 12 WAREHOUSE | KM-13 | BLDG 9 | COURT YARD | KM-12 | OFFICE 12 | OFFICE 9 | KM-9 | KM09-8-79 | KM09-8-78 | KM-41 | KM-40 | BLDG 10 | KM-8 | KM-5 | LOADING DOCK | SCALE PITS | KM-38 | BLDG 8 | KM-39 | BLDG 8 | BLDG 8 | KM-36 | KM-37 | PARKING LOT | KMW-04 | KM-26 | KM-29 | KM-24 | KM-35 | KM-28 | KM-23 | KM-22 | KM-25 | KM-27 | LOADING DOCK | KM-1 | PARKING LOT | KM-2



SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- DECEMBER, 2009
- OCT./NOV., 2009
- AUGUST, 2009
- HISTORICAL SOIL SAMPLE LOCATION (1997)

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- PROPERTY LINE
- PARCEL LINE
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER

UTILITY EXPLANATION

- FLOOR DRAIN
- CB — CATCH BASIN
- SP — SUMP PUMP
- S — SEWER LINE
- CONTAINMENT UST PIPING
- PRODUCT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND

0 30 60
APPROXIMATE SCALE IN FEET

SOIL SAMPLE LOCATIONS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 3-2

Plot Date: 07/06/11 - 4:38pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIF\Scad\, Drawing Name: Kelly\Moore-Soil-GWSamples_070511.dwg

BNSF RAILROAD

AIRPORT WAY SOUTH

AIRPORT WAY SOUTH

S. LUCILE ST.

BLDG 7 KM-33

KM-14

5a MFG

5 STORAGE

4 WAREHOUSE

3 WAREHOUSE

BLDG 6

KM-19

KM-32

KM-21

KM-30

KM-16

KM-20

KMW-02

KM-31

KM-17

KM-18

2 WAREHOUSE

1 WAREHOUSE

12 WAREHOUSE

BLDG 9

COURT YARD

BLDG 8

KMW-01

OFFICE 12

OFFICE 9

KM-9

KM09-8-78

KM-41

BLDG 8

KM-39

SCALE PITS

BLDG 10

KM-8

KM-5

LOADING DOCK

KM-35

KM-29

KM-22

KM-25

KM-37

KM-36

PARKING LOT

KMW-04

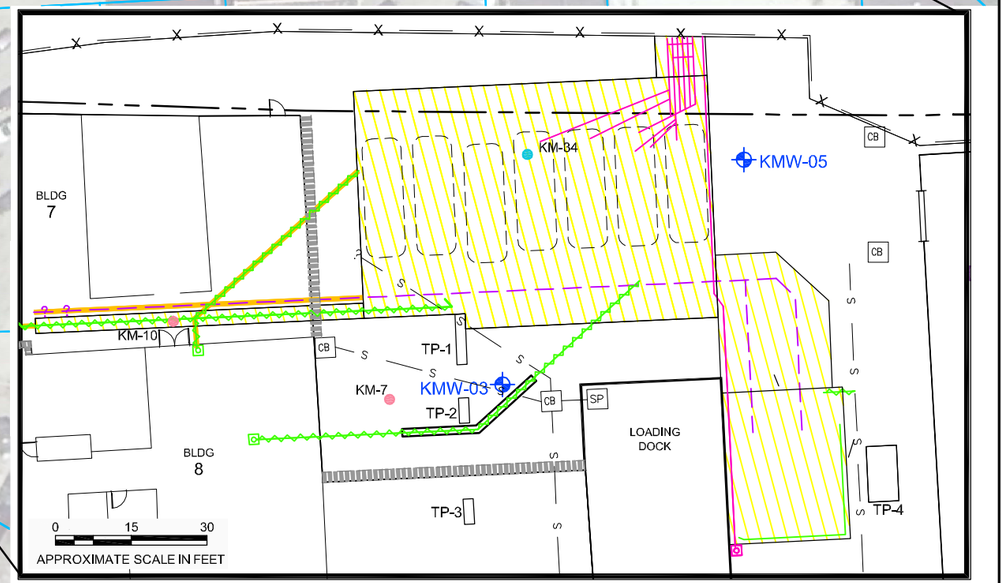
KM-27

LOADING DOCK

KM-2

KM-1

PARKING LOT



SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- DECEMBER, 2009
- OCT./NOV., 2009
- AUGUST, 2009
- HISTORICAL SOIL SAMPLE LOCATION (1997)

EXPLANATION

- TP-2 TEST PIT LOCATION
- KMW-04 MONITORING WELL LOCATION
- EXCAVATION AREA
- PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- BLDG 7 BUILDING NUMBER

UTILITY EXPLANATION

- FLOOR DRAIN
- CB CATCH BASIN
- SP SUMP PUMP
- S SEWER LINE
- CONTAINMENT UST PIPING
- PRODUCT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND

0 30 60
APPROXIMATE SCALE IN FEET

GROUNDWATER SAMPLE LOCATIONS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 3-3

Plot Date: 07/06/11 - 4:39pm, Plotted by: adam.stenberg
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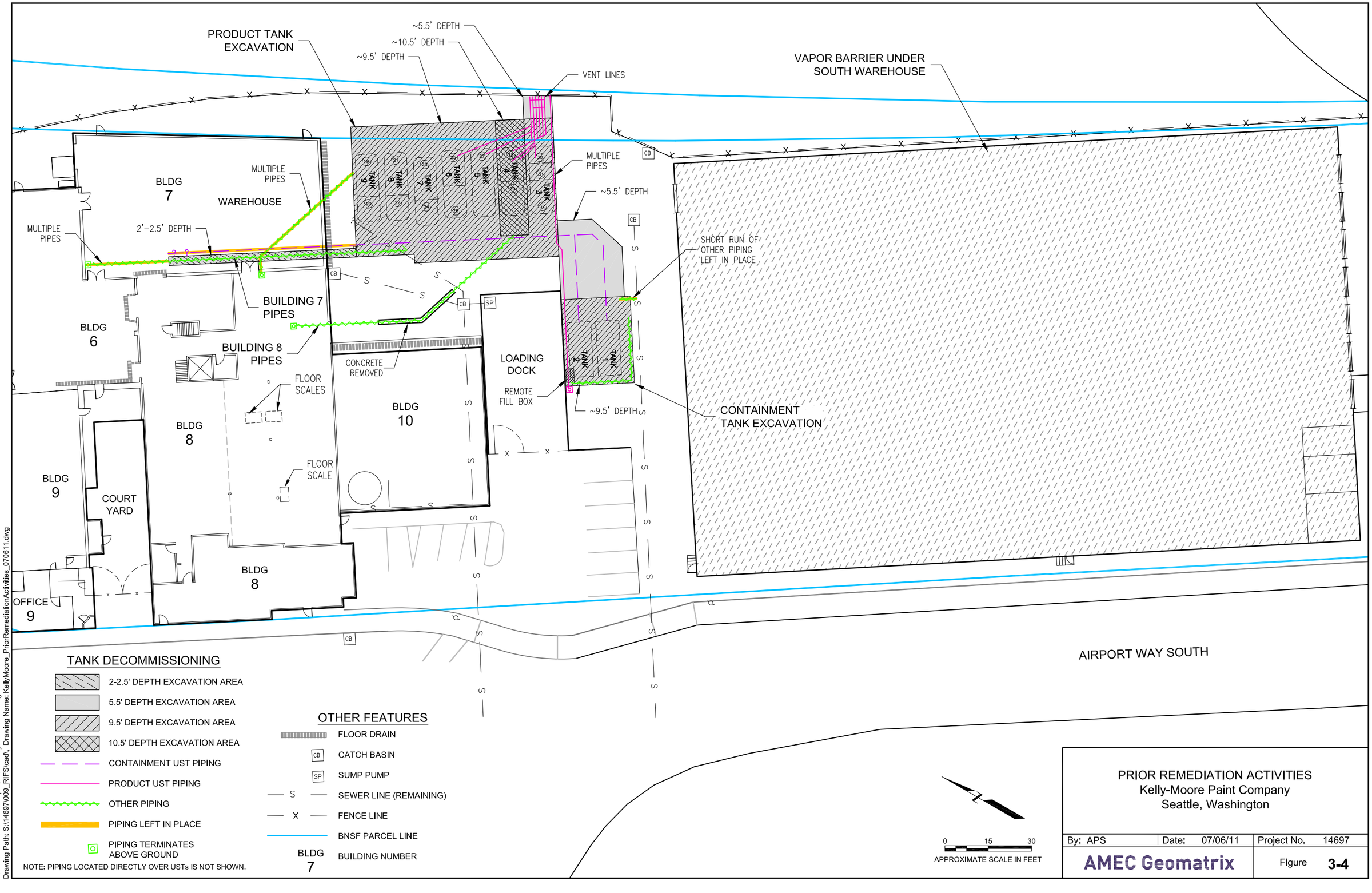


TANK DECOMMISSIONING

- 2-2.5' DEPTH EXCAVATION AREA
- 5.5' DEPTH EXCAVATION AREA
- 9.5' DEPTH EXCAVATION AREA
- 10.5' DEPTH EXCAVATION AREA
- CONTAINMENT UST PIPING
- PRODUCT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND

NOTE: PIPING LOCATED DIRECTLY OVER USTs IS NOT SHOWN.

OTHER FEATURES

- FLOOR DRAIN
- CB — CATCH BASIN
- SP — SUMP PUMP
- S — SEWER LINE (REMAINING)
- X — FENCE LINE
- BNSF PARCEL LINE
- BLDG 7 — BUILDING NUMBER

0 15 30
APPROXIMATE SCALE IN FEET

PRIOR REMEDIATION ACTIVITIES
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 3-4

Plot Date: 07/06/11 - 6:49pm Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\ Drawing Name: KellyMoore_PriorRemediationActivities_070611.dwg

BNSF RAILROAD

AIRPORT WAY SOUTH

AIRPORT WAY SOUTH

S. LUCILE ST.

BLDG 7 KM-33 | KM-11 | NWPIPE | KMW-05 | KM-26 | KM-29 | KM-15 | KM-14 | KM-10 | KMW-03 | KM-24 | KM-1

KM-19 | 4 WAREHOUSE | 5 STORAGE | 5a MFG | BLDG 6 | KM-7 | KM-35 | PARKING LOT

KM-20 | KM-32 | KM-21 | KM-30 | KM-28

KM-16 | 3 WAREHOUSE | TP-3 | LOADING DOCK | TP4 | KM-23

KM09-8-79 | KM09-8-78 | KM-41 | KM-40 | KM-8 | KM-5 | KM-2

KMW-02 | KM-31 | KM-12 | BLDG 8 | BLDG 10 | KM-22

KM-17 | 2 WAREHOUSE | 1 WAREHOUSE | 12 WAREHOUSE | KM-38 | KM-25 | KM-27 | LOADING DOCK

KM-18 | KMW-01 | KM-13 | BLDG 9 | COURT YARD | BLDG 8 | KM-39 | KM-37

SCALE PITS | KM-36 | PARKING LOT | KMW-04

OFFICE 12 | OFFICE 9 | BLDG 8

KM-9

KEY

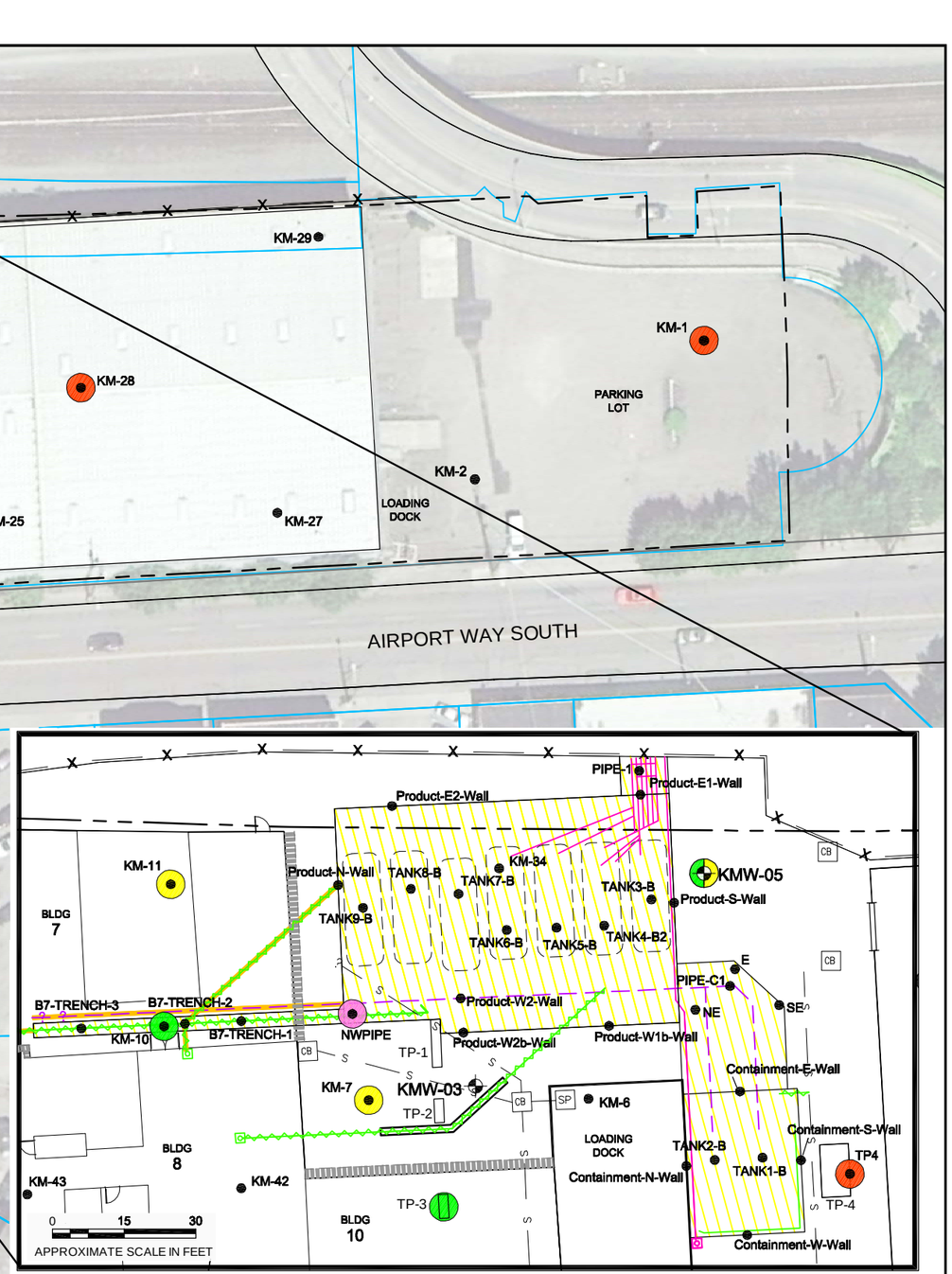
- WOOD DEBRIS
- BURNED APPEARANCE OR SLAG
- BRICK OR CRUSHED ROCK
- PINK COLORED FILL

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- SOIL SAMPLE LOCATION
- EXCAVATION AREA
- PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- BLDG 7 — BUILDING NUMBER

UTILITY EXPLANATION

- FLOOR DRAIN
- CB — CATCH BASIN
- SP — SUMP PUMP
- S — SEWER LINE
- CONTAINMENT UST PIPING
- PRODUCT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND



0 30 60
APPROXIMATE SCALE IN FEET

WASTE/FILL MATERIAL OBSERVED
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 4-1

Plot Date: 10/18/11 - 4:01pm, Plotted by: adam.sterberg
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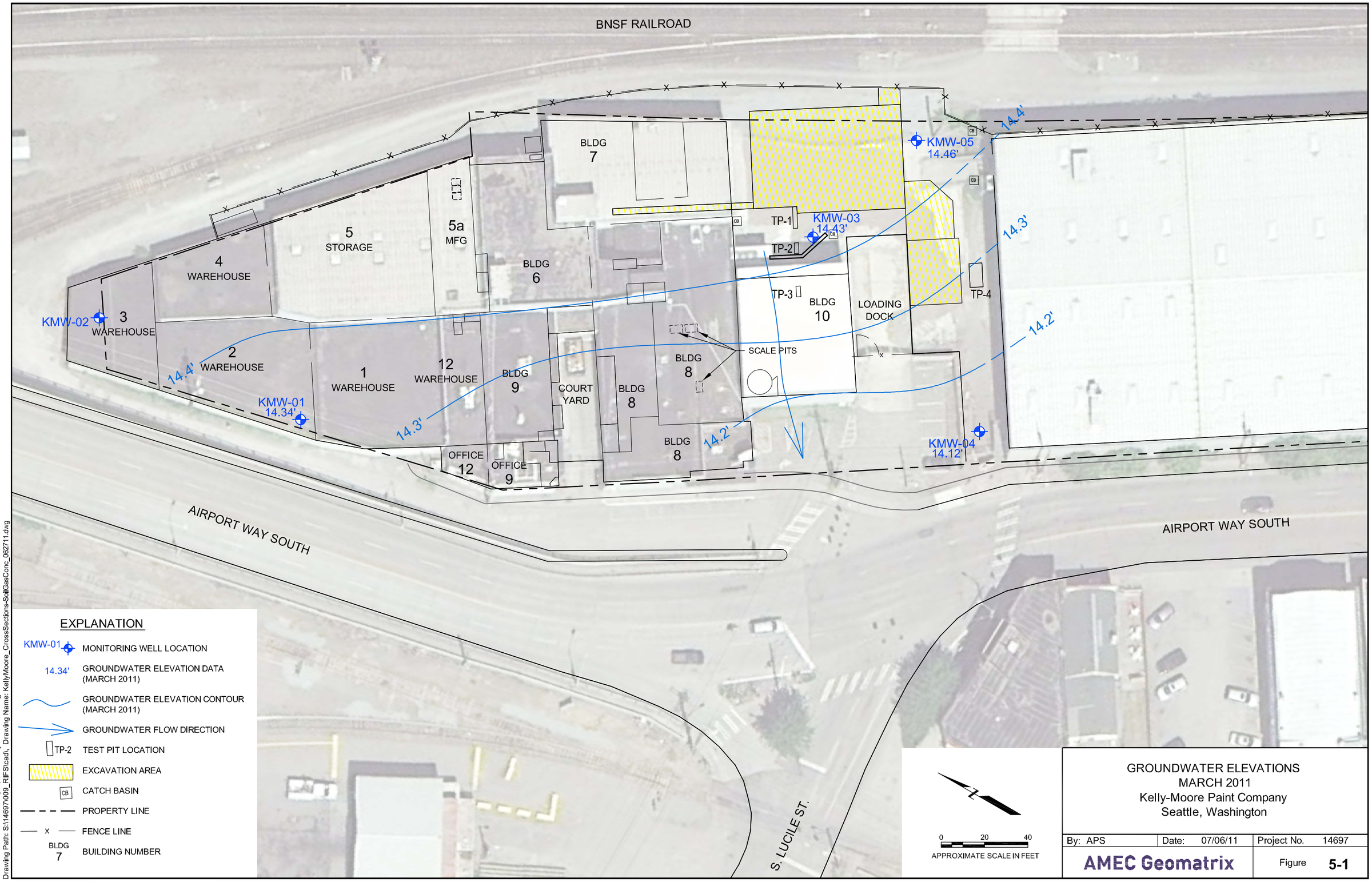
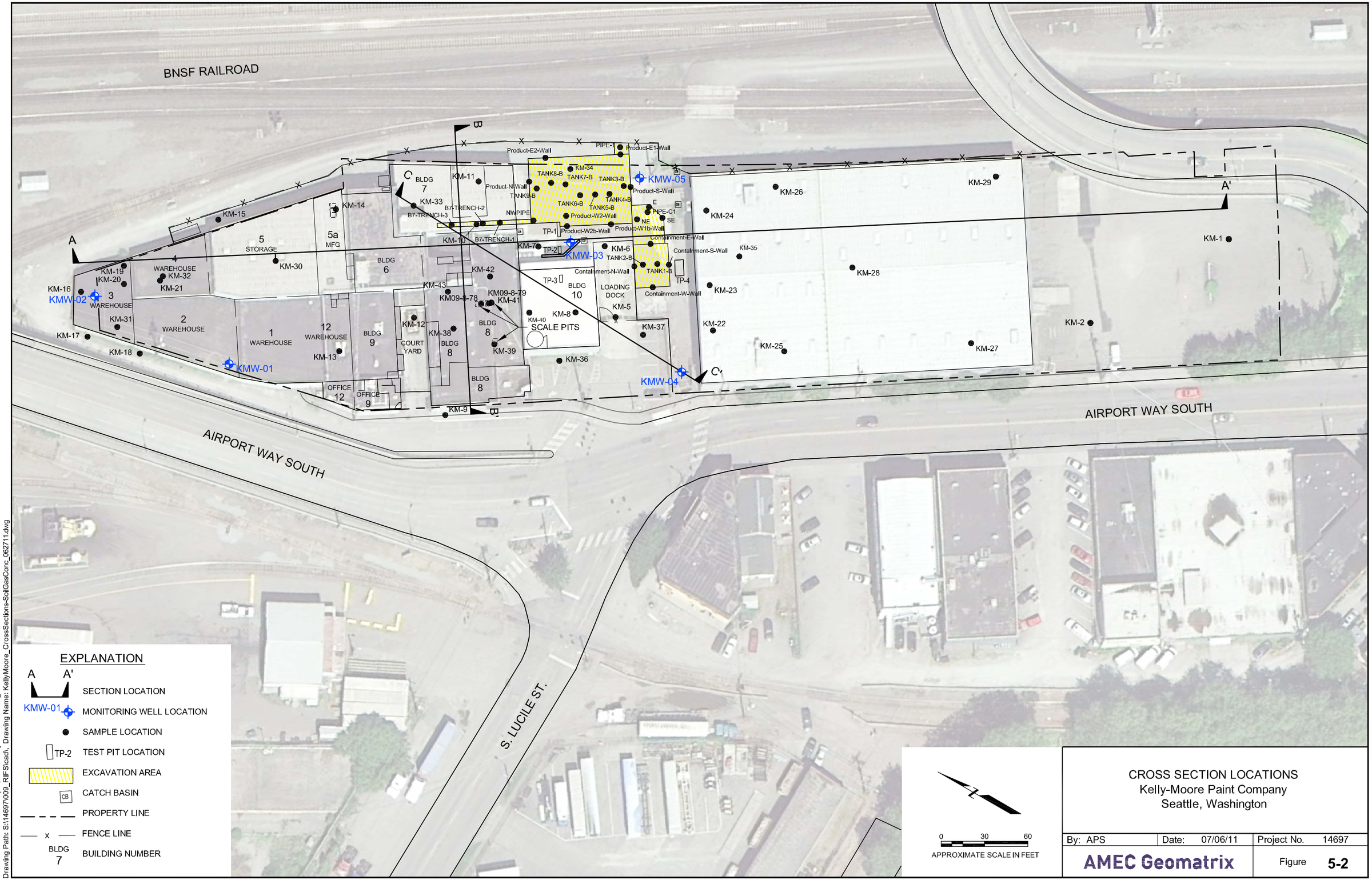


GROUNDWATER ELEVATIONS
MARCH 2011
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 5-1

Plot Date: 07/06/11 - 5:03pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_KP-Stead\, Drawing Name: KellyMoore_CrossSections-SoilGasConc_062711.dwg



EXPLANATION

- A A' — SECTION LOCATION
- KMW-01 — MONITORING WELL LOCATION
- SAMPLE LOCATION
- TP-2 — TEST PIT LOCATION
- EXCAVATION AREA
- CB — CATCH BASIN
- PROPERTY LINE
- FENCE LINE
- BLDG 7 — BUILDING NUMBER

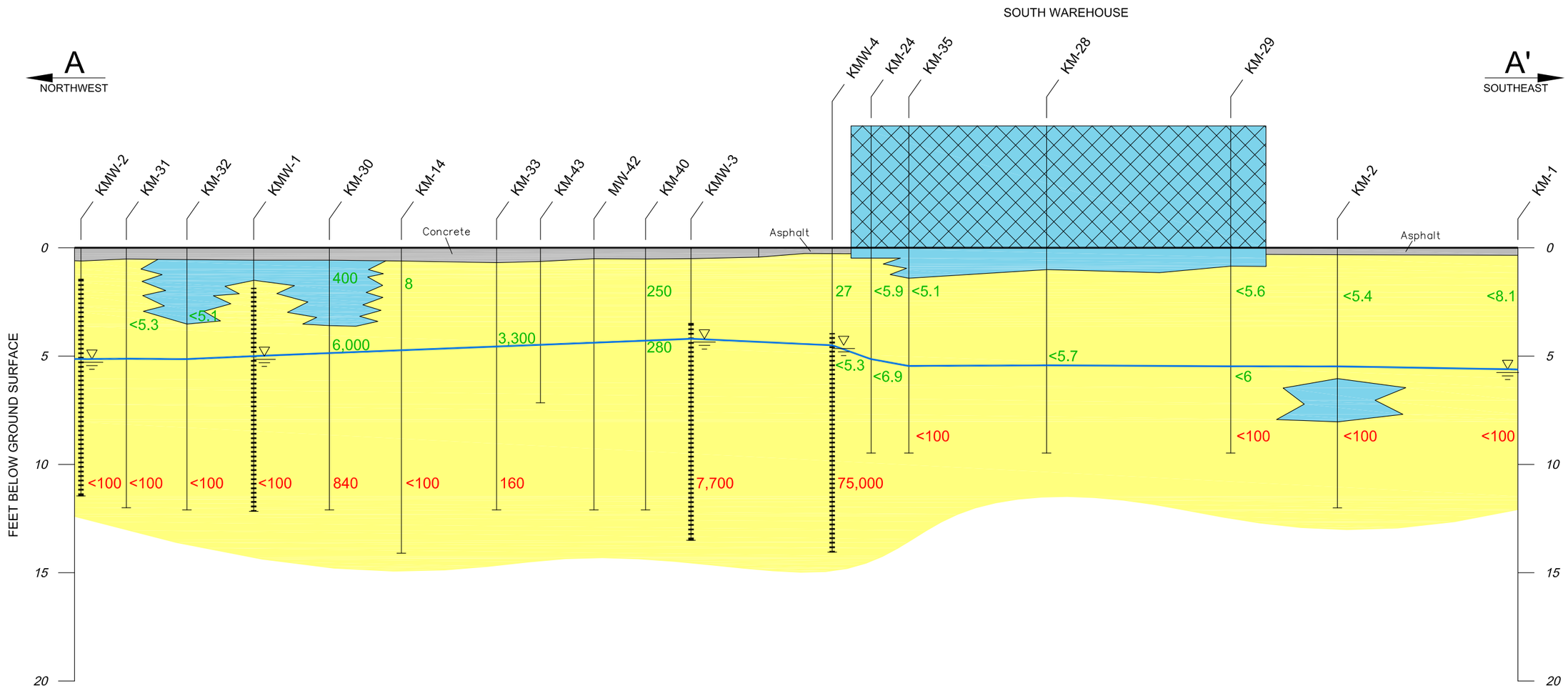
0 30 60

APPROXIMATE SCALE IN FEET

CROSS SECTION LOCATIONS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 5-2

Plot Date: 07/06/11 - 4:56pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_CrossSections-SoilGasConc_062711.dwg



GEOLOGY EXPLANATION

- CONCRETE/ASPHALT
- POORLY GRADED SAND WITH SILT AND SILTY SANDS
- GRAVEL WITH SILT AND SAND/ SAND WITH GRAVEL AND SILT
- SOUTH WAREHOUSE FILL, ABOVE SITE GRADE
- OBSERVED WATER TABLE AT MONITORING WELLS (MARCH 2011)

EXPLANATION

400 GAS CONCENTRATION - SOIL (mg/kg)

840 GAS CONCENTRATION - GROUNDWATER (µg/L)

SCREENED INTERVAL AT PERMANENT MONITORING WELLS

NOTE:
CONCENTRATIONS SHOWN AT THE APPROXIMATE DEPTH SAMPLE WAS COLLECTED.

0 30 60
5
2.5
APPROXIMATE SCALE IN FEET

CROSS SECTION A-A'
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 5-3

Plot Date: 07/06/11 - 4:58pm Plotted by: adam.stenberg
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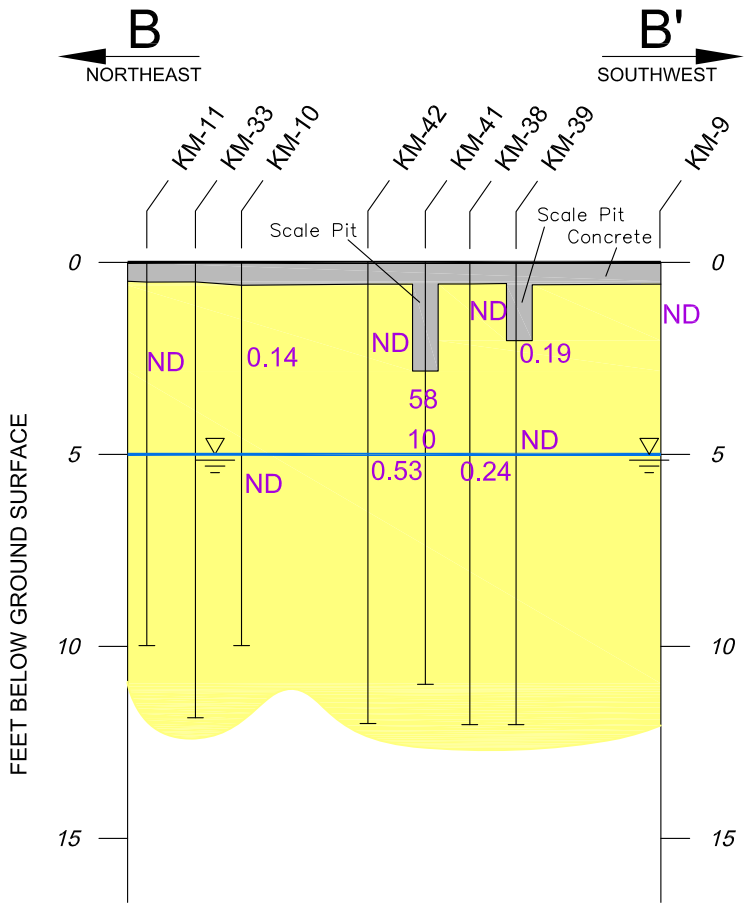


GEOLOGY EXPLANATION

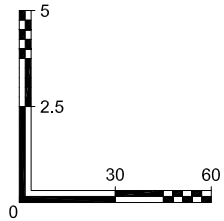
- CONCRETE/ASPHALT
- POORLY GRADED SAND WITH SILT AND SILTY SANDS
- OBSERVED WATER TABLE AT MONITORING WELLS (MARCH 2011)

EXPLANATION

400 PCB CONCENTRATION - SOIL (mg/kg)

ND NOT DETECTED

NOTE:
CONCENTRATIONS SHOWN AT THE APPROXIMATE DEPTH SAMPLE WAS COLLECTED.



APPROXIMATE SCALE IN FEET

CROSS SECTION B-B'
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 5-4

Plot Date: 07/06/11 - 5:01pm, Plotted by: adam.stenberg
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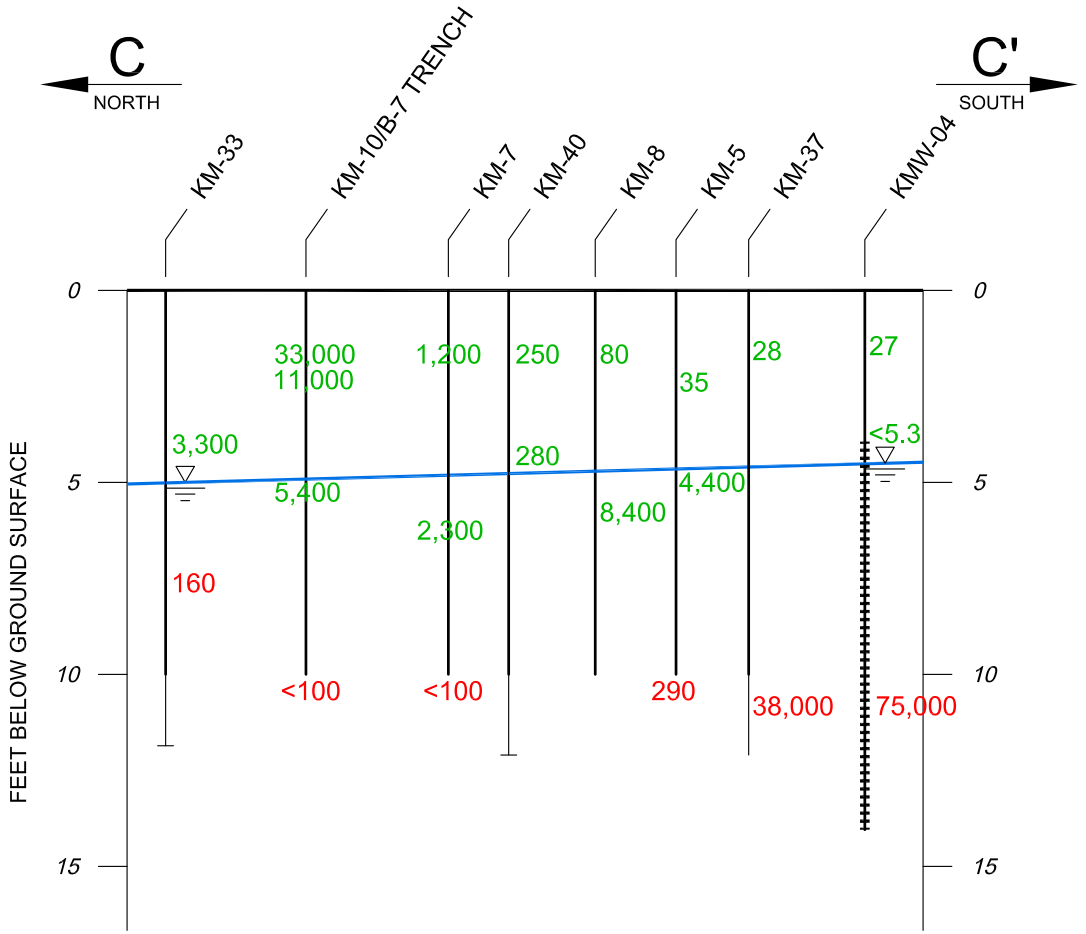


GEOLOGY EXPLANATION

OBSERVED WATER TABLE AT MONITORING WELLS (MARCH 2011)

SCREENED INTERVAL AT PERMANENT MONITORING WELLS

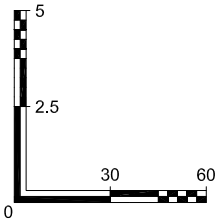
EXPLANATION

250 GAS CONCENTRATION - SOIL (mg/kg)

290 GAS CONCENTRATION - GROUNDWATER (µg/L)

NOTE:

CONCENTRATIONS SHOWN AT THE APPROXIMATE DEPTH SAMPLE WAS COLLECTED.

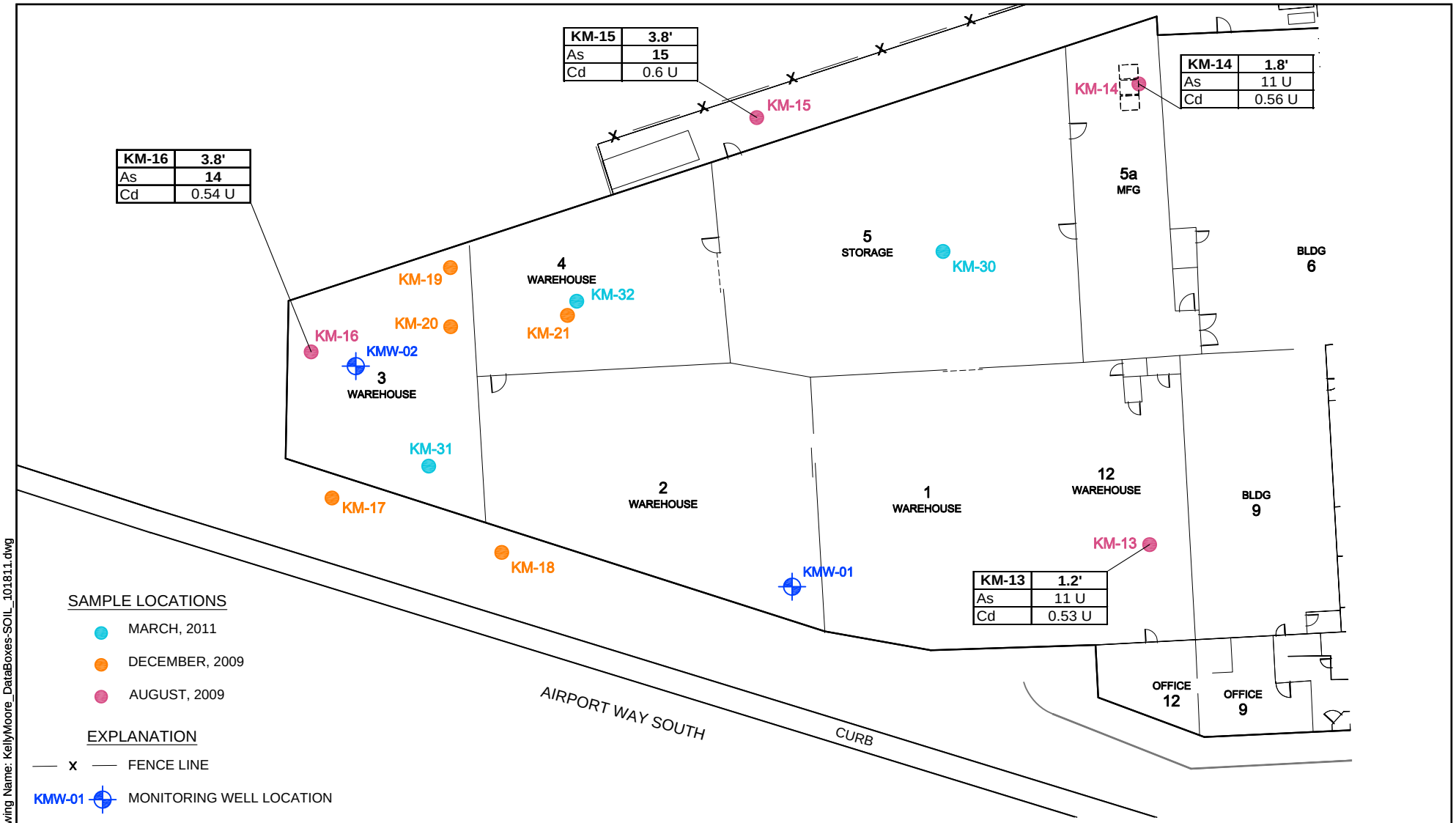


APPROXIMATE SCALE IN FEET

CROSS SECTION C-C'
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 07/06/11	Project No. 14697
AMEC Geomatrix		Figure 5-5

Plot Date: 07/06/11 - 5:06pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_CrossSections-SoilGasConc_062711.dwg



SAMPLE LOCATIONS

- MARCH, 2011
- DECEMBER, 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- KMW-01 MONITORING WELL LOCATION
- BLDG 9 BUILDING NUMBER

KEY

As = Arsenic
Cd = Cadmium
X' = Depth of the top of the screen in feet below ground surface
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

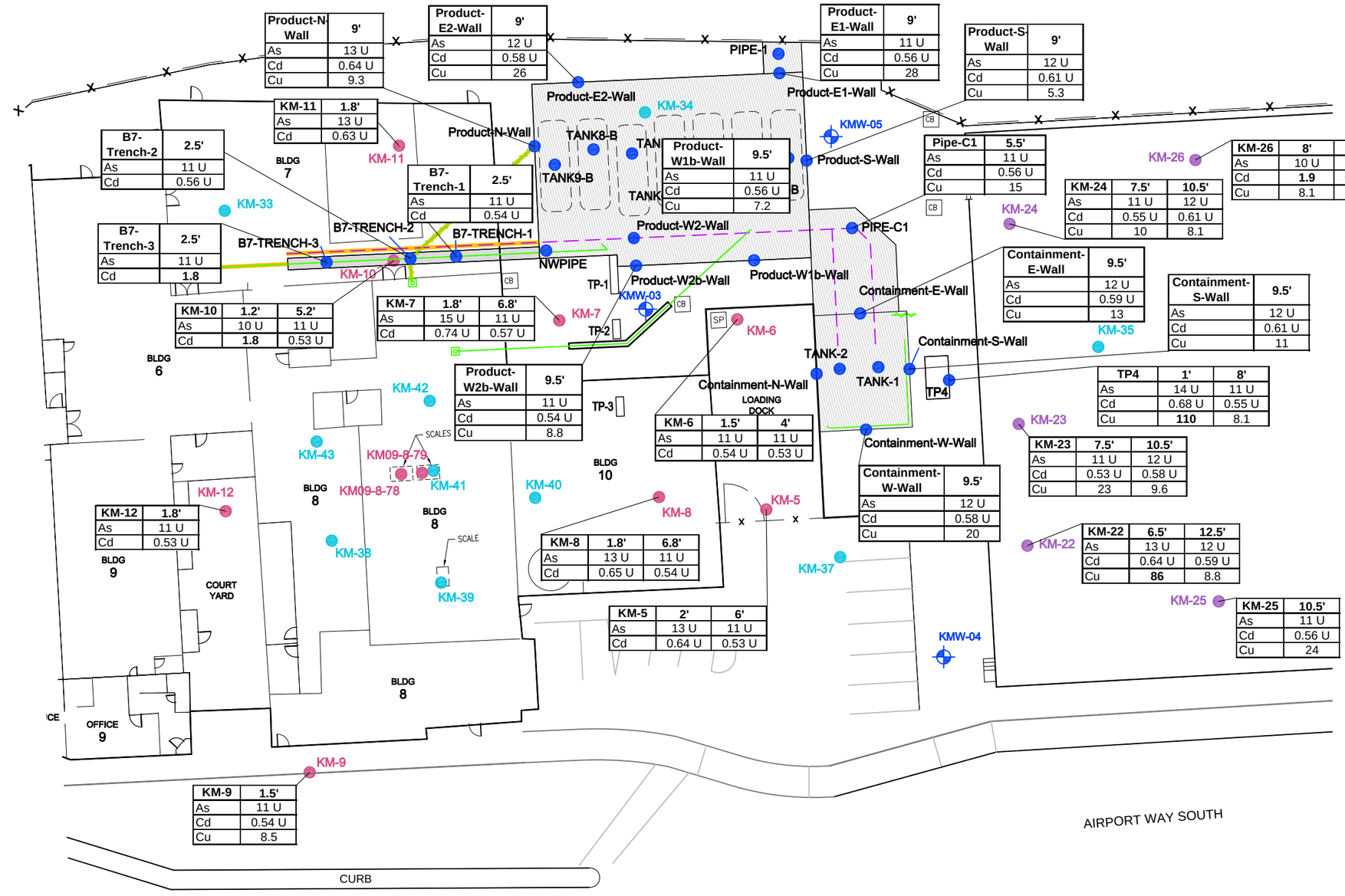
1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

0 15 30
APPROXIMATE SCALE IN FEET

SOIL SUMMARY RESULTS, METALS NORTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-1

lot Date: 10/18/11 - 4:28pm, Plotted by: adam.stenberg
rawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_DataBoxes-SOIL_101811.dwg



SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER

KEY

As = Arsenic
Cd = Cadmium
Cu = Copper
X' = Depth of the top of the screen in feet below ground surface
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

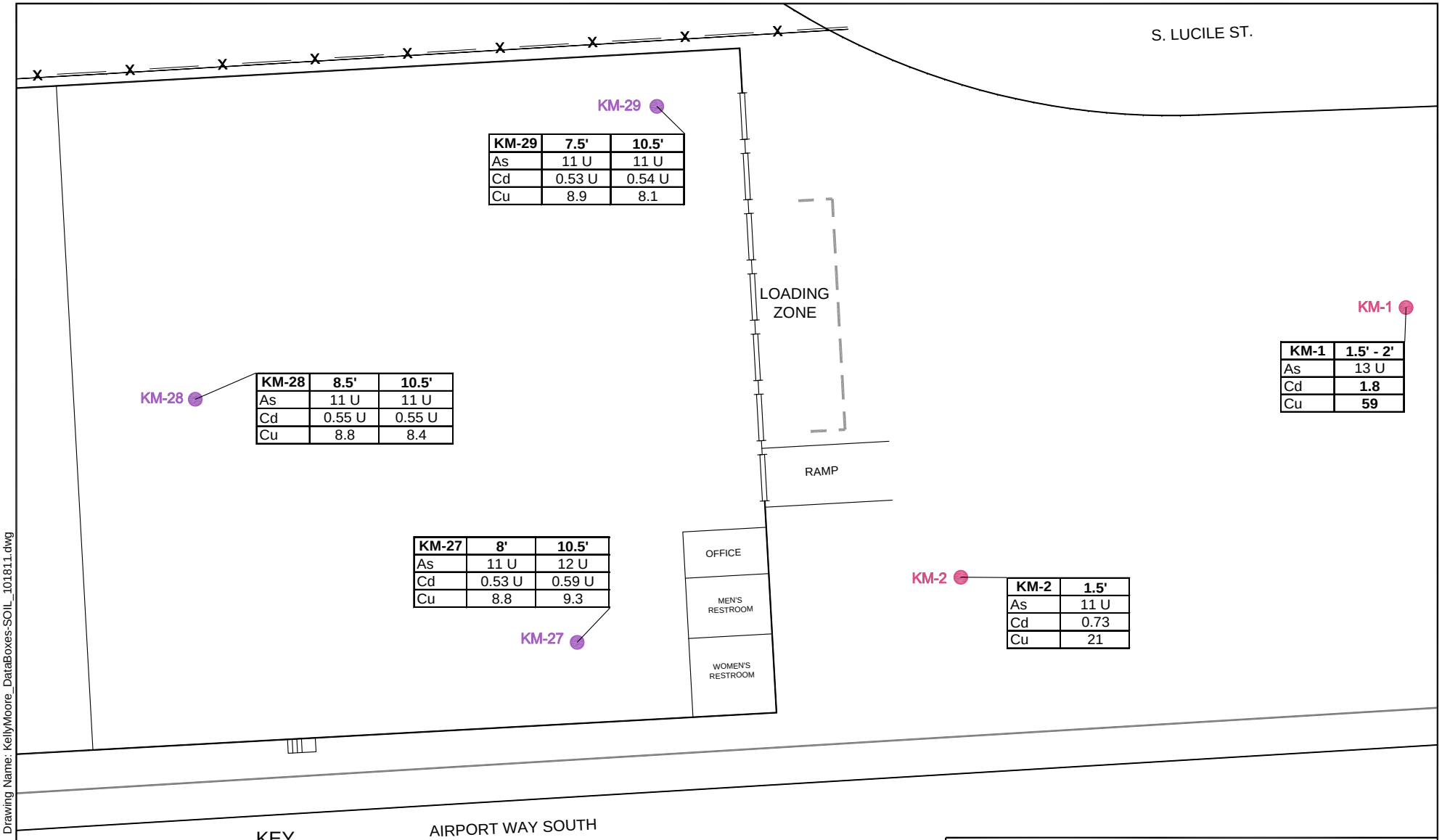
1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

0 15 30
APPROXIMATE SCALE IN FEET

SOIL SUMMARY RESULTS, METALS
CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix	Figure 6-2	

Plot Date: 10/18/11 - 4:31pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_DataBoxes-SOIL_101811.dwg



KEY

As = Arsenic
Cd = Cadmium
Cu = Copper
X' = Depth of the top of the screen in feet below ground surface.
U = Analyte not detected at or above laboratory reporting limit indicated.

SAMPLE LOCATIONS

- AUGUST, 2010
- AUGUST, 2009

EXPLANATION

— x — FENCE LINE

NOTES:

1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

0 15 30
APPROXIMATE SCALE IN FEET

SOIL SUMMARY RESULTS, METALS SOUTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-3

lot Date: 10/18/11 - 4:32pm, Plotted by: adam.stenberg
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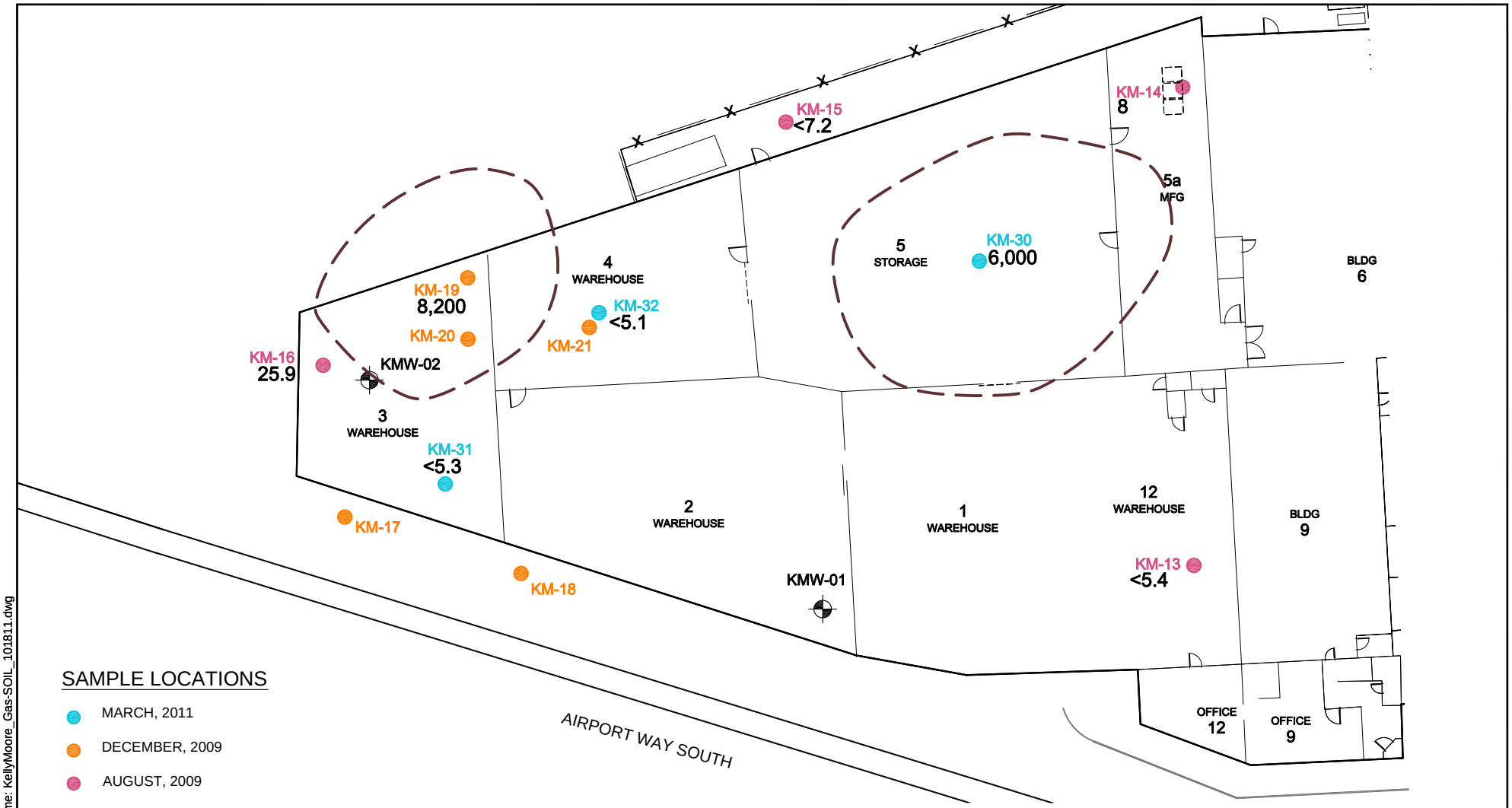


SAMPLE LOCATIONS

- MARCH, 2011
- DECEMBER, 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- BUILDING NUMBER (BLDG 9)
- KMW-01 MONITORING WELL LOCATION
- APPROXIMATE AREA IMPACTED ABOVE CLEAN-UP LEVEL

NOTES:

1. SEE TABLE 9-4 FOR SAMPLE DEPTHS.
2. 6000 HIGHEST GASOLINE CONCENTRATIONS IN SOIL (MILLIGRAMS PER KILOGRAMS (mg/kg).)

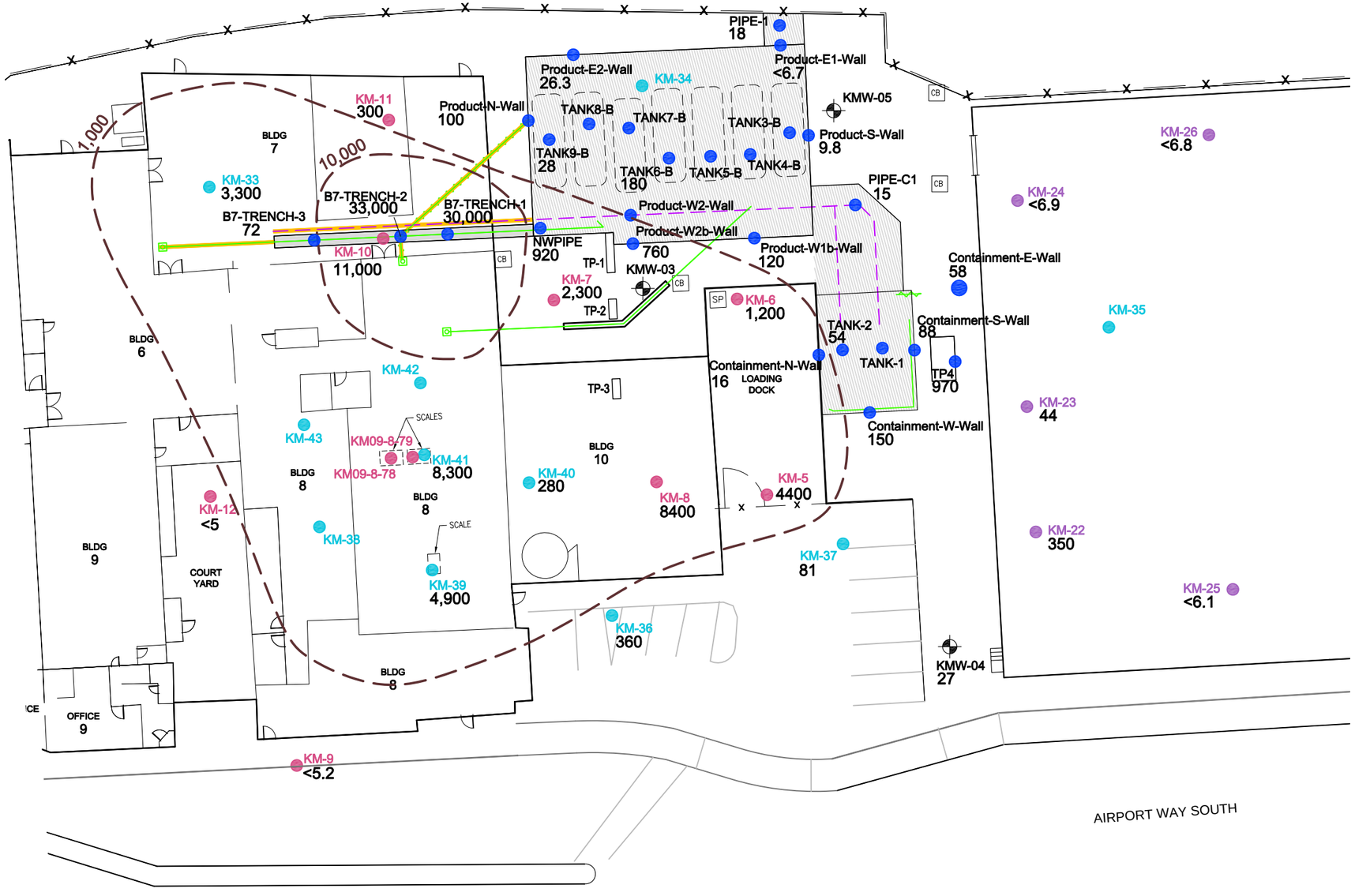
0 15 30

APPROXIMATE SCALE IN FEET

SOIL SUMMARY RESULTS, GASOLINE NORTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-4

lot Date: 10/18/11 - 4:39pm, Plotted by: adam.stenberg
rawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_Gas-SOIL_101811.dwg



SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER
- APPROXIMATE ISO CONCENTRATION CONTOUR LINE (1,000 mg/kg AND 10,000 mg/kg SHOWN)

NOTES:
1. SEE TABLE 9-4 FOR SAMPLE DEPTHS
2. 4900- HIGHEST GASOLINE CONCENTRATION IN SOIL (MILLIGRAMS PER KILOGRAM (mg/kg)).

0 15 30
APPROXIMATE SCALE IN FEET

SOIL SUMMARY RESULTS, GASOLINE
CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix	Figure 6-5	

Plot Date: 10/18/11 - 4:44pm, Plotted by: adam.stenberg
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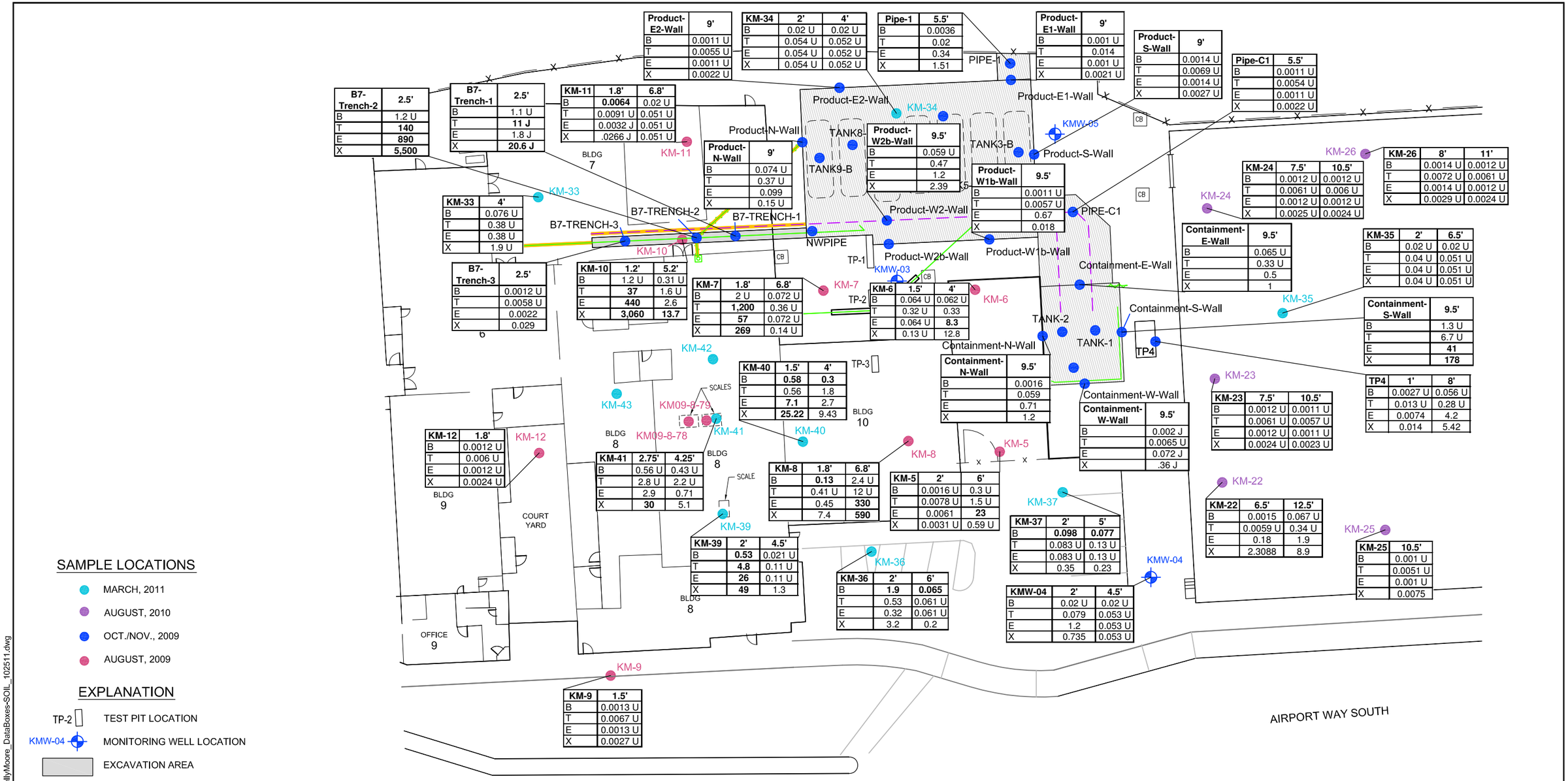


SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- X — FENCE LINE
- BLDG 7 — BUILDING NUMBER

KEY

B = Benzene
T = Toluene
E = Ethylbenzene
X = total Xylenes
X' = Depth of the top of the screen in feet below ground surface
U = Analyte not detected at or above laboratory reporting limit indicated.
J = Concentration shown is an estimate.

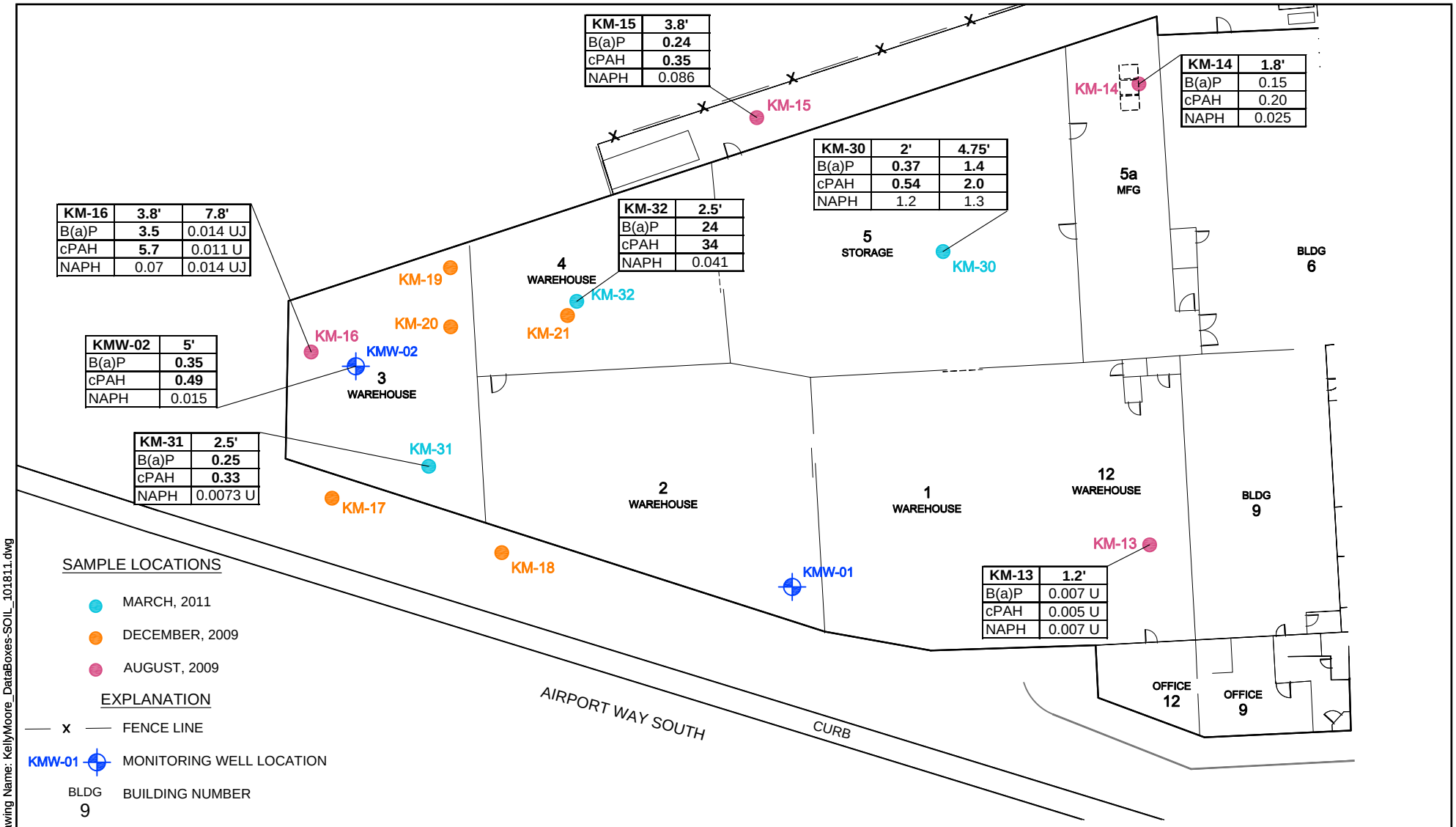
NOTES:

1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

SOIL SUMMARY RESULTS, BTEX
CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/25/11	Project No. 14697
AMEC Geomatrix	Figure	6-6

Plot Date: 10/25/11 - 9:02am, Plotted by: mike.stenberg
Drawing Path: S:\14697\009_RI\Scad\, Drawing Name: KellyMoore_DataBoxes-SOIL_102511.dwg



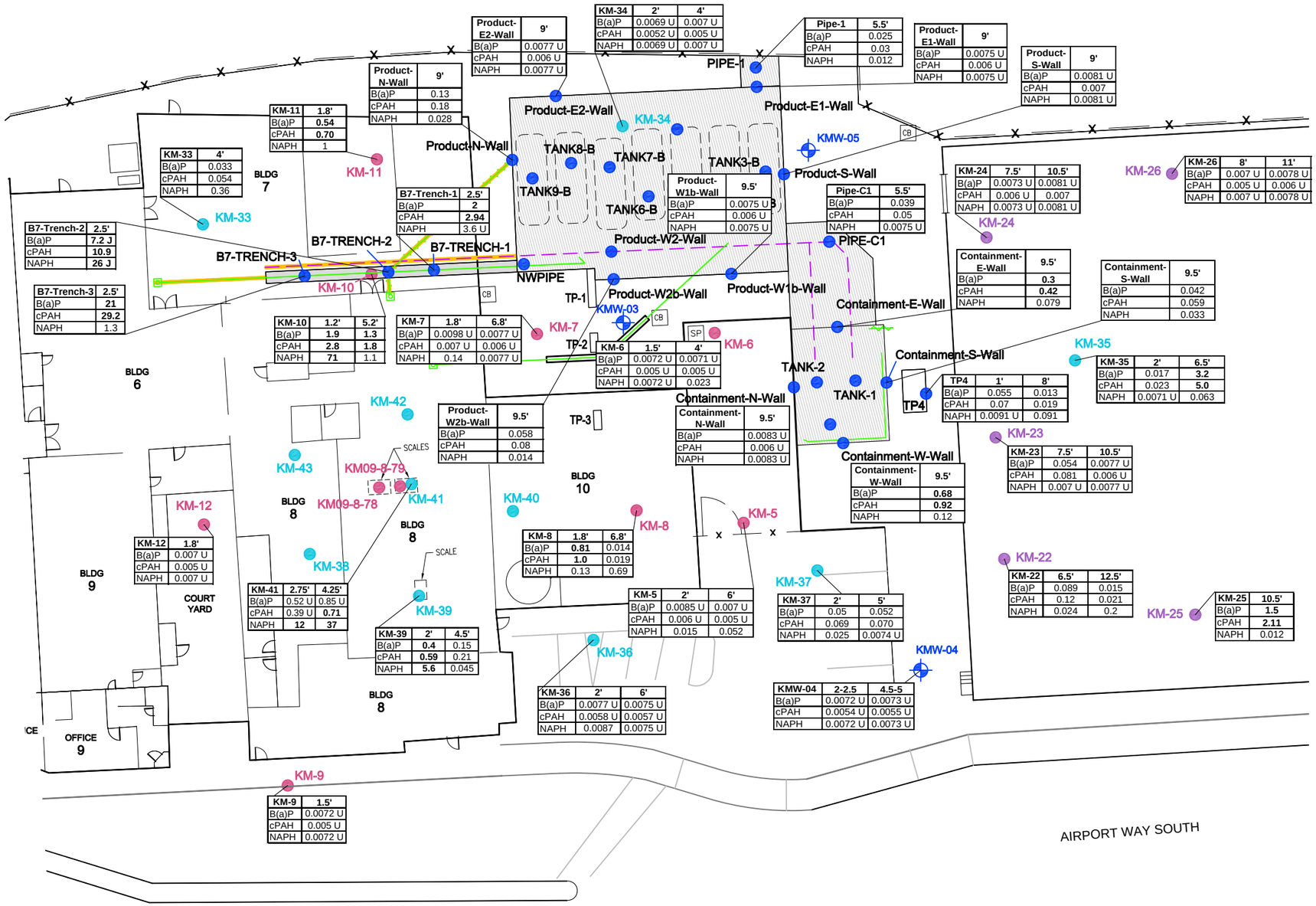
SOIL SUMMARY RESULTS, SVOCs
NORTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697

AMEC Geomatrix

Figure 6-7

lot Date: 10/18/11 - 4:46pm, Plotted by: adam.stenberg
rawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_DataBoxes-SOIL_101811.dwg



SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER

KEY

NAPH = Naphthalene
B(a)P = Benzo(a)pyrene
cPAH = total cPAHs expressed as benzo(a)pyrene
X' = Depth in feet below ground surface
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

0 15 30
APPROXIMATE SCALE IN FEET

SOIL SUMMARY RESULTS, SVOCs
CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-8

Plot Date: 10/18/11 - 4:47pm, Plotted by: adam.stenberg
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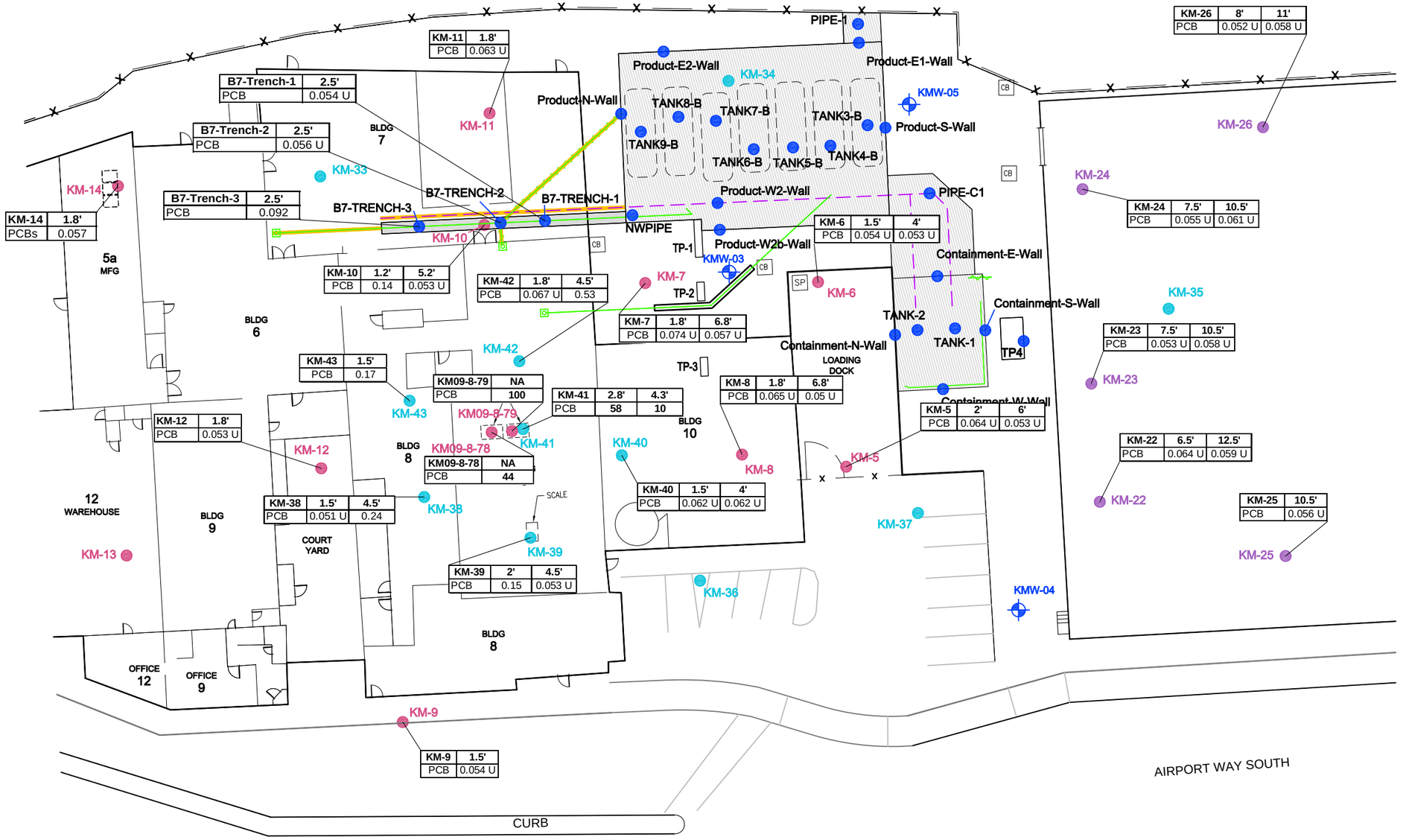

SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER

KEY

PCB = total Polychlorinated Biphenyls
X' = Depth of the top of the screen in feet below ground surface
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. SOIL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg)

0 15 30
APPROXIMATE SCALE IN FEET

SOIL SUMMARY RESULTS, PCBs
CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix	Figure	6-9

Plot Date: 10/18/11 - 4:48pm, Plotted by: adam.stenberg
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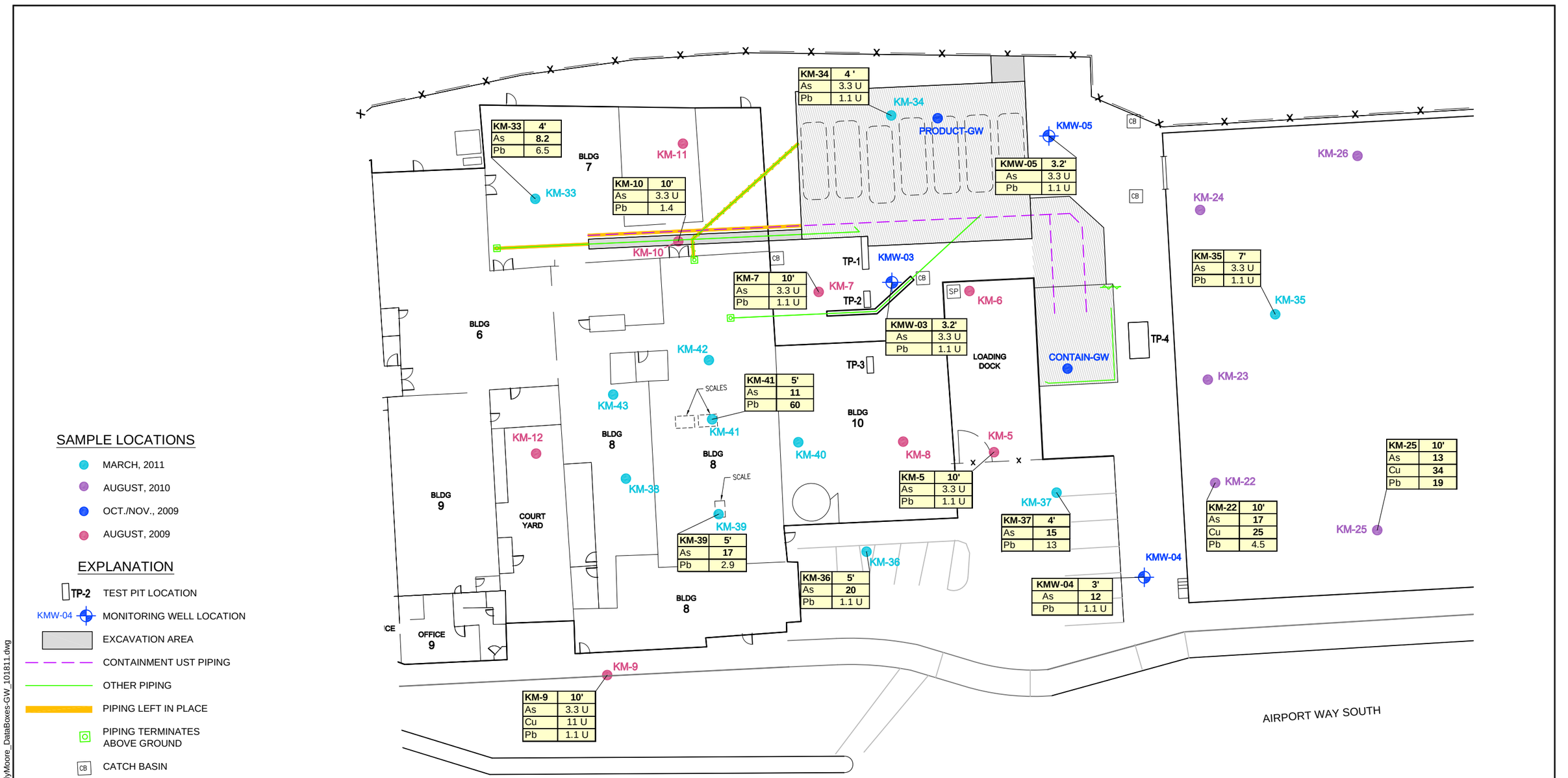

SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER

KEY

As = Arsenic
Cu = Copper
Pb = Lead
X' = Depth of the top of the screen in feet below ground surface.
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL
2. GROUNDWATER CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)

0 15 30
APPROXIMATE SCALE IN FEET

GROUNDWATER SUMMARY RESULTS, METALS CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-10

Plot Date: 10/18/11 - 4:56pm, Plotted by: adam.stenberg
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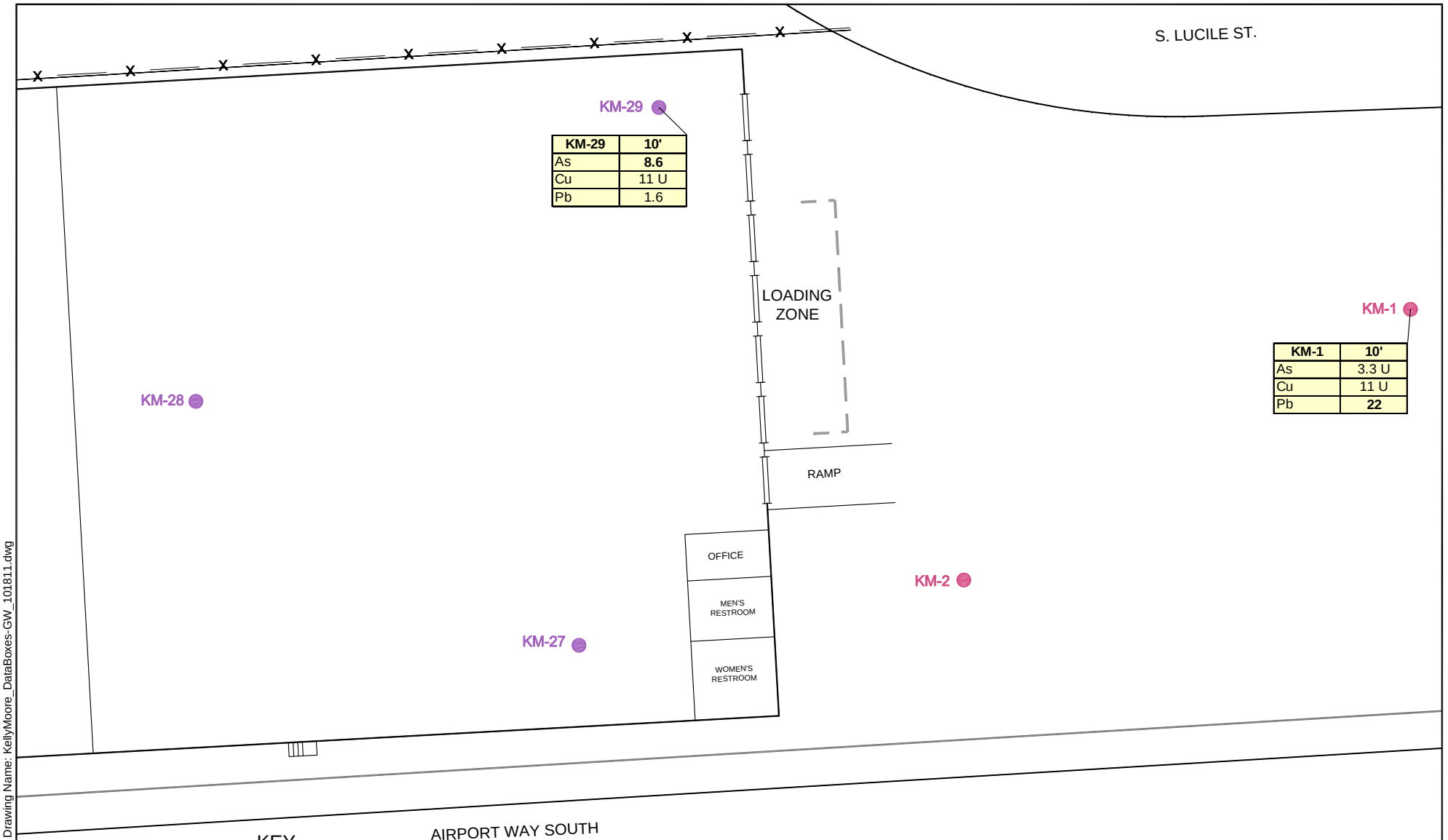

KEY

SAMPLE LOCATIONS

- AUGUST, 2010
- AUGUST, 2009

EXPLANATION

— x — FENCE LINE

As = Arsenic
Cd = Cadmium
Pb = Lead
X' = Depth of the top of the screen in feet below ground surface.
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. GROUNDWATER CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L).

0 15 30
APPROXIMATE SCALE IN FEET

GROUNDWATER SUMMARY RESULTS, METALS SOUTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-11

lot Date: 10/18/11 - 4:57pm, Plotted by: adam.stenberg
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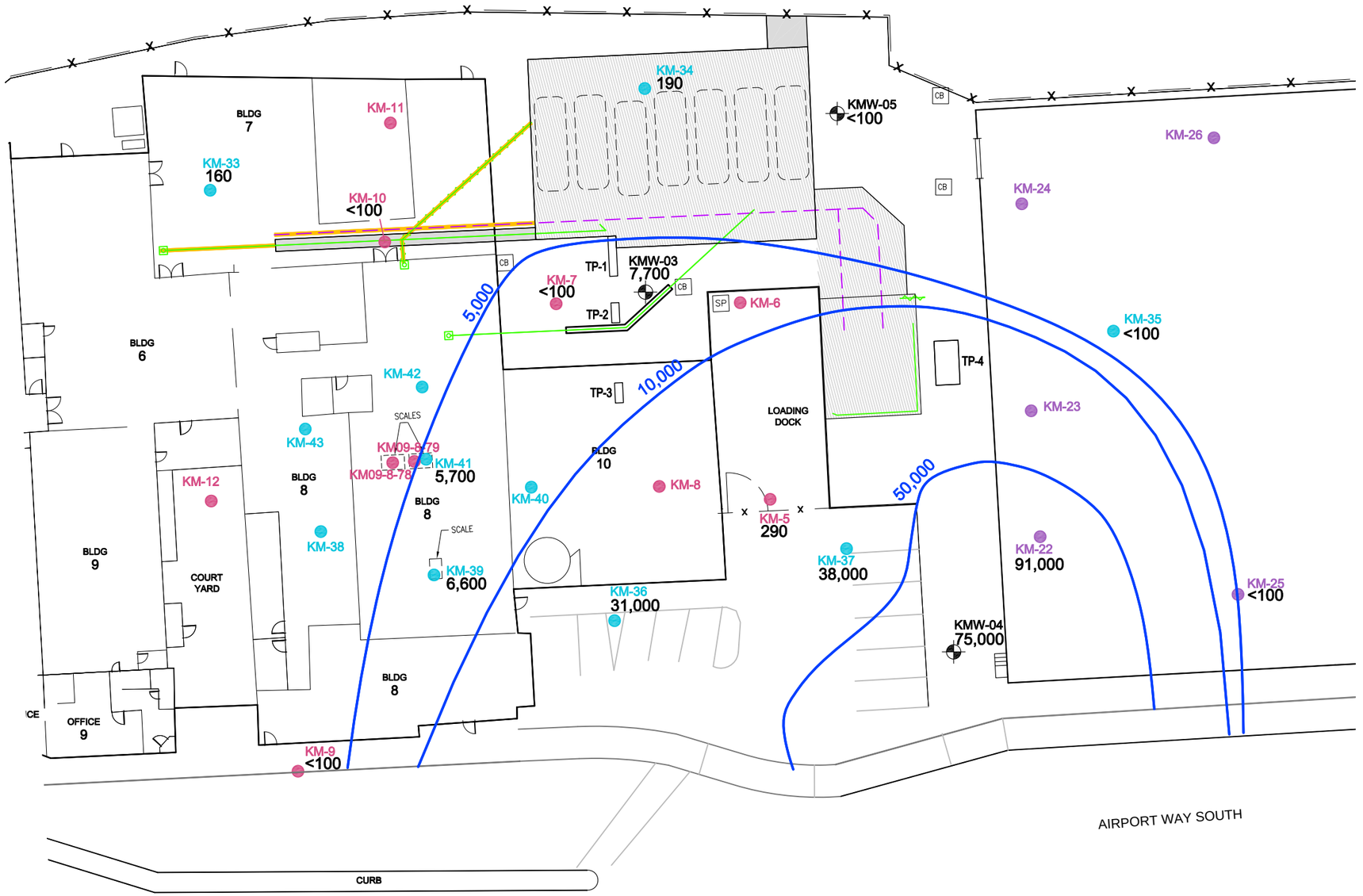

SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- AUGUST, 2009

EXPLANATION

- TP-2 TEST PIT LOCATION
- KMW-04 MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB CATCH BASIN
- SP SUMP PUMP
- x FENCE LINE
- BLDG 7 BUILDING NUMBER
- APPROXIMATE GROUNDWATER GASOLINE CONTOUR LINE (5,000 µg/L, 10,000 µg/L AND 50,000 µg/L SHOWN.)

0 15 30
APPROXIMATE SCALE IN FEET

GROUNDWATER SUMMARY RESULTS, GASOLINE CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-12

Plot Date: 10/18/11 - 5:04pm, Plotted by: adam.stenberg
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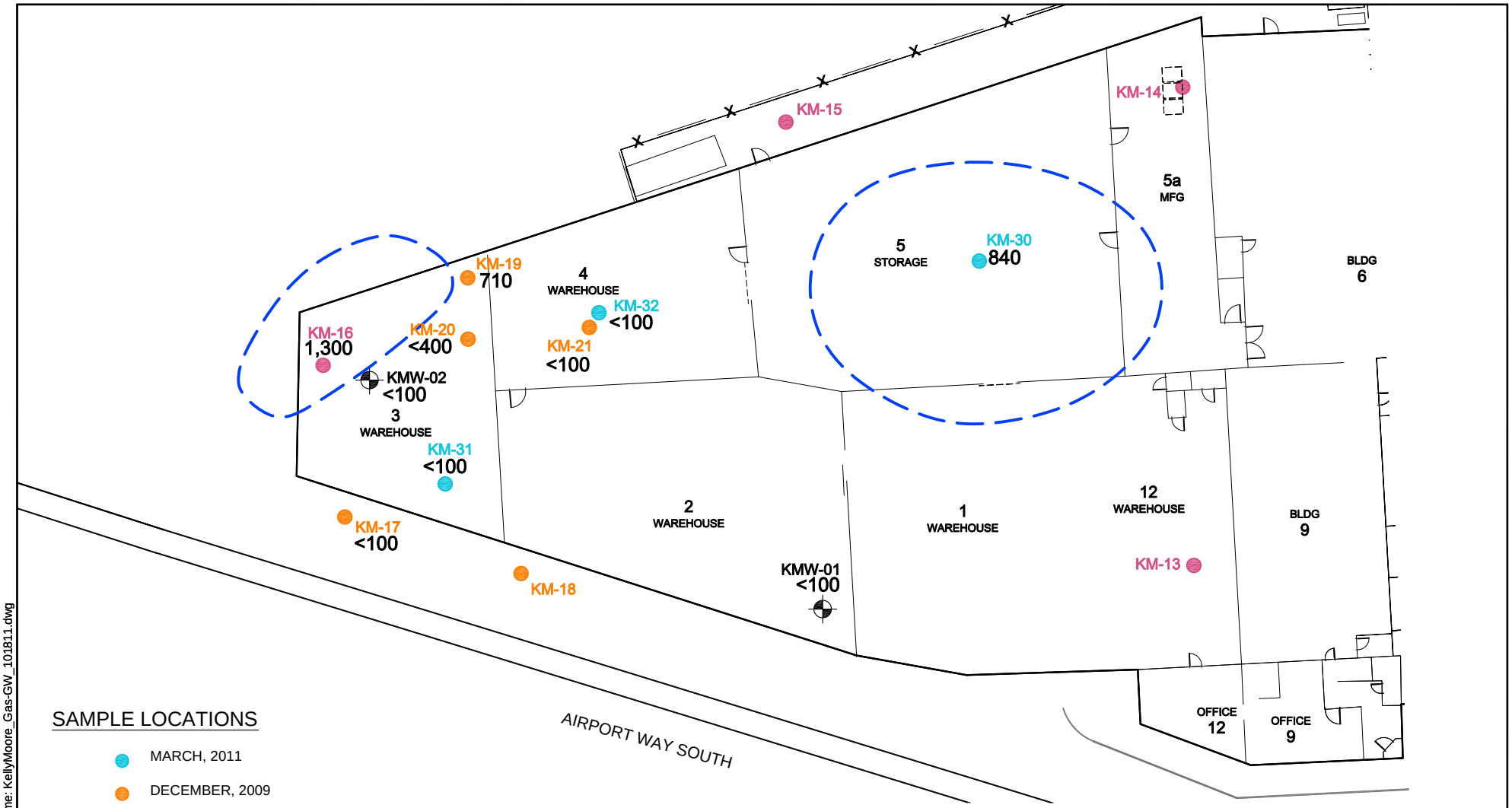

SAMPLE LOCATIONS

- MARCH, 2011
- DECEMBER, 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- BLDG 9 — BUILDING NUMBER
- KMW-02 — MONITORING WELL LOCATION
- APPROXIMATE AREA IMPACTED ABOVE CLEANUP LEVEL

GROUNDWATER CONCENTRATIONS IN µg/L

0 15 30

APPROXIMATE SCALE IN FEET

GROUNDWATER SUMMARY RESULTS, GASOLINE NORTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-13

lot Date: 10/18/11 - 5:02pm, Plotted by: adam.stenberg
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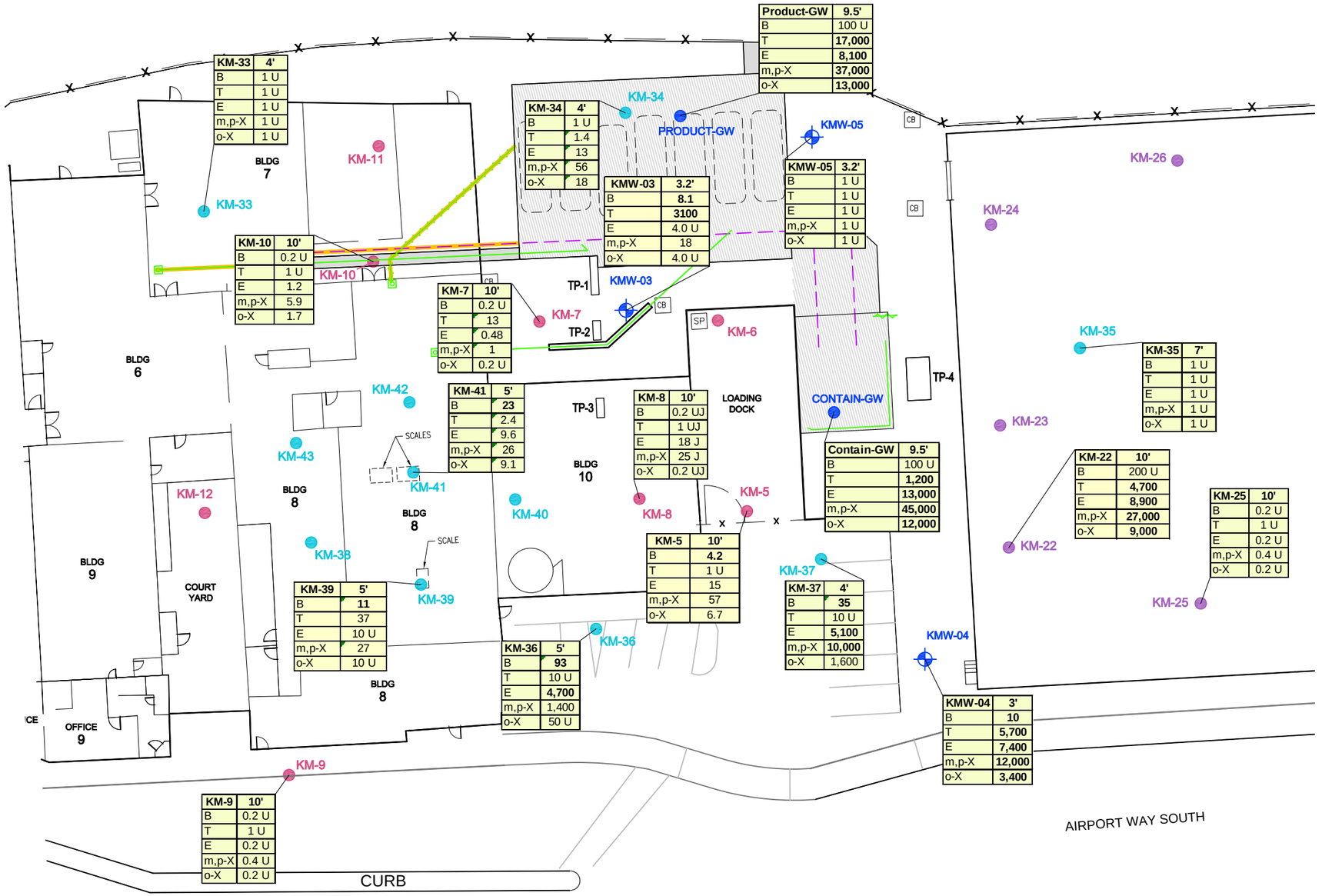

SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITOR WELL LOCATIONS
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER

KEY

B = Benzene
T = Touluene
E = Ethylbenzene
o-X = o-Xylene
m,p-X = m,p-Xylene
X' = Depth of the top of the screen in feet below ground surface.
U= Analyte not detected at or above laboratory reporting limit indicated.
J= Concentration shown is an estimate.
UJ=Analyte not detected at or above value shown, which is estimated laboratory reporting limit.

NOTES:

1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. GROUNDWATER CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)

0 15 30
APPROXIMATE SCALE IN FEET

GROUNDWATER SUMMARY RESULTS, BTEX CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-14

Plot Date: 10/18/11 - 5:05pm, Plotted by: adam.stenberg
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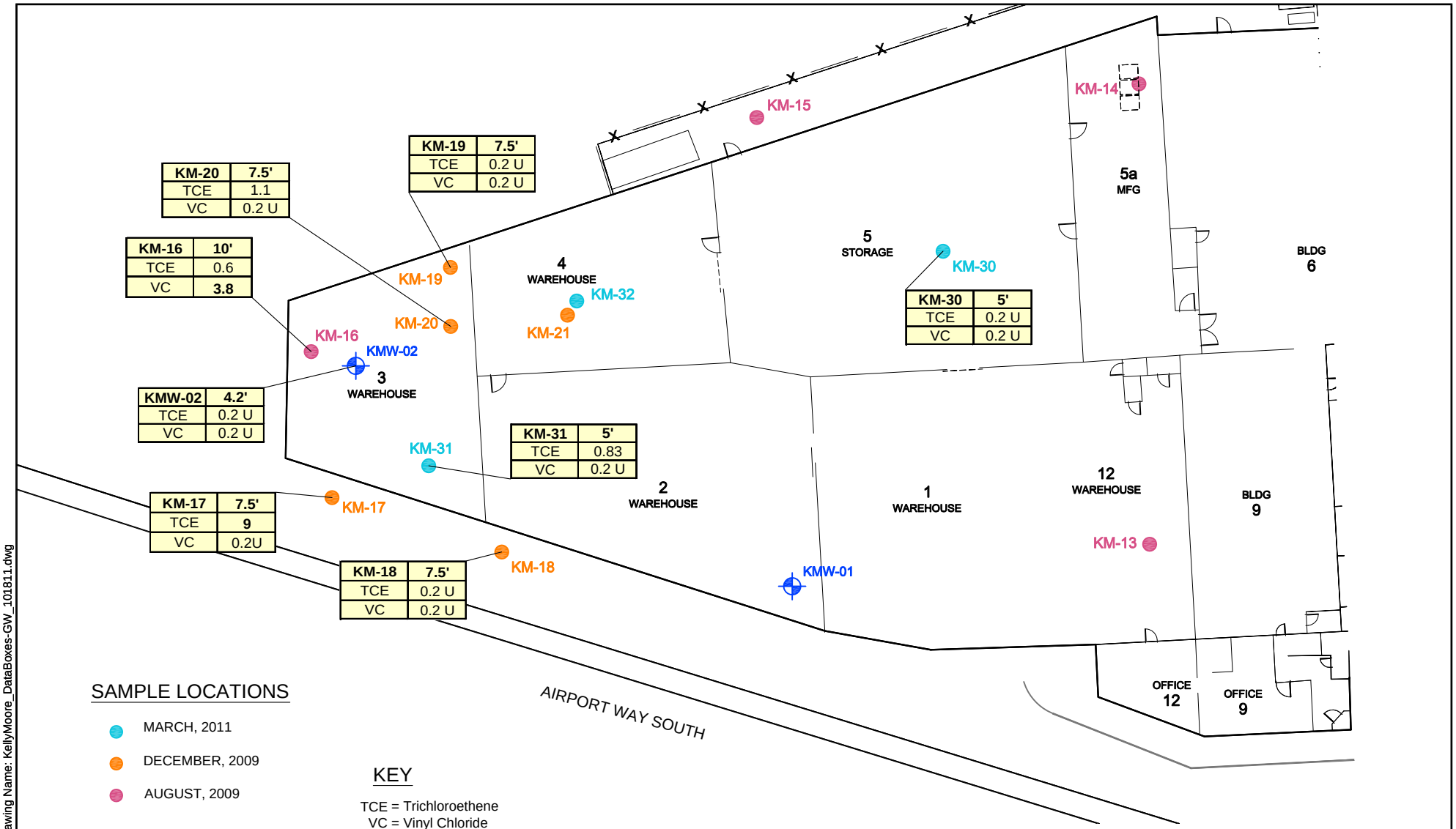


KM-20	7.5'
TCE	1.1
VC	0.2 U

KM-19	7.5'
TCE	0.2 U
VC	0.2 U

KM-16	10'
TCE	0.6
VC	**3.8**

KM-30	5'
TCE	0.2 U
VC	0.2 U

KMW-02	4.2'
TCE	0.2 U
VC	0.2 U

KM-31	5'
TCE	0.83
VC	0.2 U

KM-17	7.5'
TCE	9
VC	0.2U

KM-18	7.5'
TCE	0.2 U
VC	0.2 U

SAMPLE LOCATIONS

- MARCH, 2011
- DECEMBER, 2009
- AUGUST, 2009

EXPLANATION

- x — FENCE LINE
- BLDG 9 — BUILDING NUMBER
- KMW-04 — MONITORING WELL LOCATION)

KEY

TCE = Trichloroethene
VC = Vinyl Chloride
X' = Depth of the top of the screen in feet below ground surface.
U = Analyte not detected at or above laboratory reporting limit indicated.

NOTES:

1. **BOLD** VALUE EXCEEDS CLEANUP LEVEL.
2. GROUNDWATER CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L).

0 15 30
APPROXIMATE SCALE IN FEET

GROUNDWATER SUMMARY RESULTS, TCE & VC NORTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/18/11	Project No. 14697
AMEC Geomatrix		Figure 6-15

lot Date: 10/18/11 - 5:06pm, Plotted by: adam.stenberg
rawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_DataBoxes-GW_101811.dwg

Primary Sources	Primary Release Mechanisms	Secondary Sources	Secondary Release Mechanisms	Exposure Point	Exposure Route	Human Receptors					Ecological Receptors	
						Resident	Office Worker	Industrial Worker	Temporary Construction Worker	Site Visitor	Aquatic Biota	Terrestrial Biota
Underground Storage Tanks and Piping, Drums, or Other Releases	Overfill, Spills, Leaks	Soil, Including Poor Quality Fill Material	Fugitive Dust	Air	Inhalation	NA	--	○	○	--	--	--
			Volatilization	Soil Vapor	Inhalation	NA	○	○	●	○	--	--
			Retention	Soil	Ingestion	NA	--	--	○	--	--	--
					Dermal/Direct Contact	NA	--	--	●	--	--	--
		Groundwater	Retention	Groundwater	Ingestion	--	--	--	○	--	--	--
					Direct Contact	--	--	--	○	--	--	--
			Migration & Discharge	Surface Water & Uptake by Aquatic Biota	Ingestion of Aquatic Biota	--	--	--	--	--	--	--
					Ingestion/Dermal Contact	--	--	--	--	--	--	--
			Volatilization	Soil Vapor	Inhalation	--	○	○	○	○	--	--

Potential Transport or Exposure Pathway

-- **Incomplete Exposure Pathway**

○ **Potentially Complete Exposure Pathway**

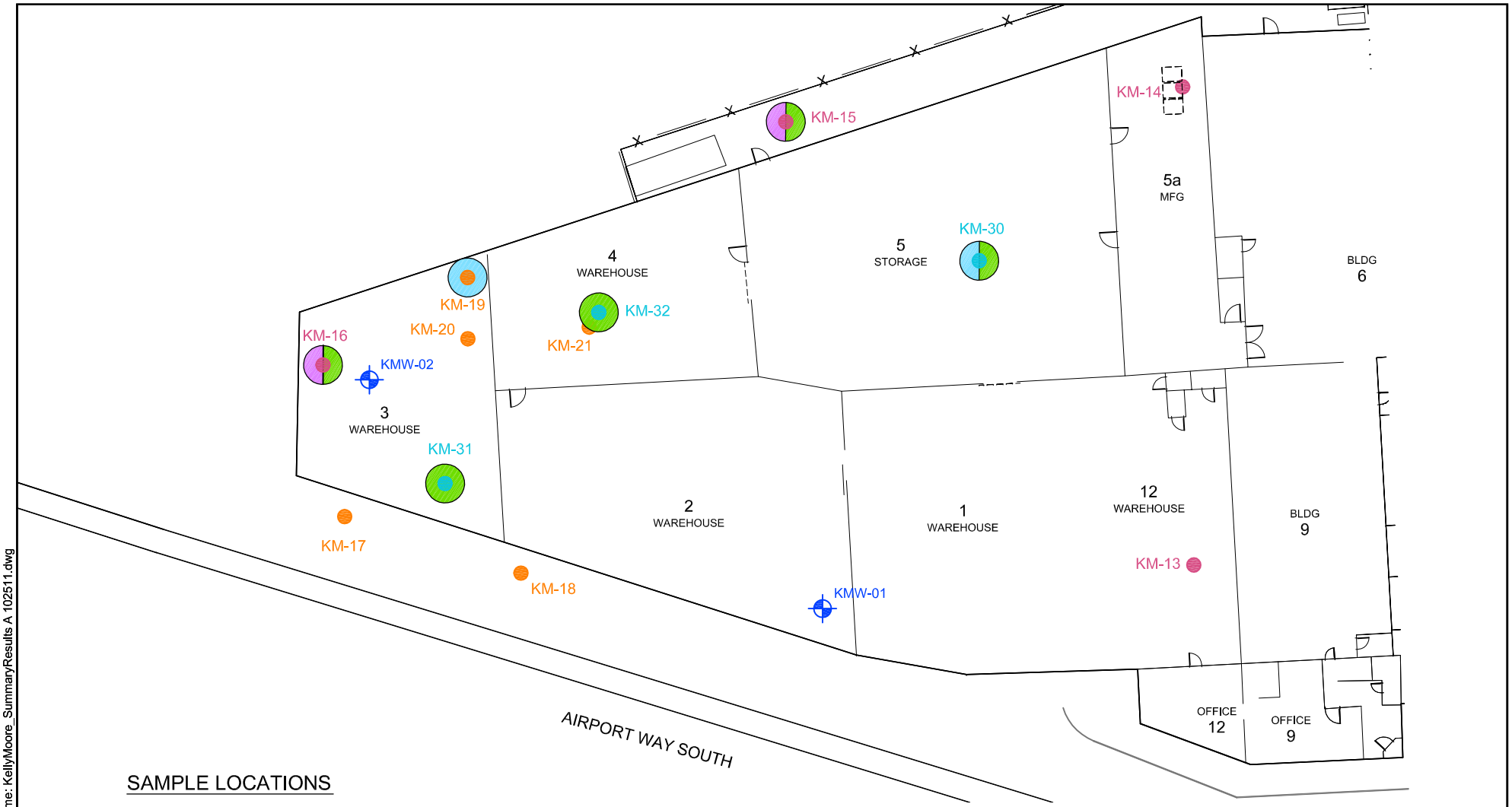
● **Complete Exposure Pathway**

NA Not Applicable
(no residents will live at the site now or in the future)

CONCEPTUAL SITE MODEL
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

By: AJS	Date: 07/07/2011	Project No. 0146970030
AMEC Geomatrix		**Figure 7-1**

S:\14697\009_RIFS\Excel\Conceptual Site Model



SAMPLE LOCATIONS

- MARCH, 2011
- DECEMBER, 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- BLDG 9 — BUILDING NUMBER
- MONITORING WELL LOCATION

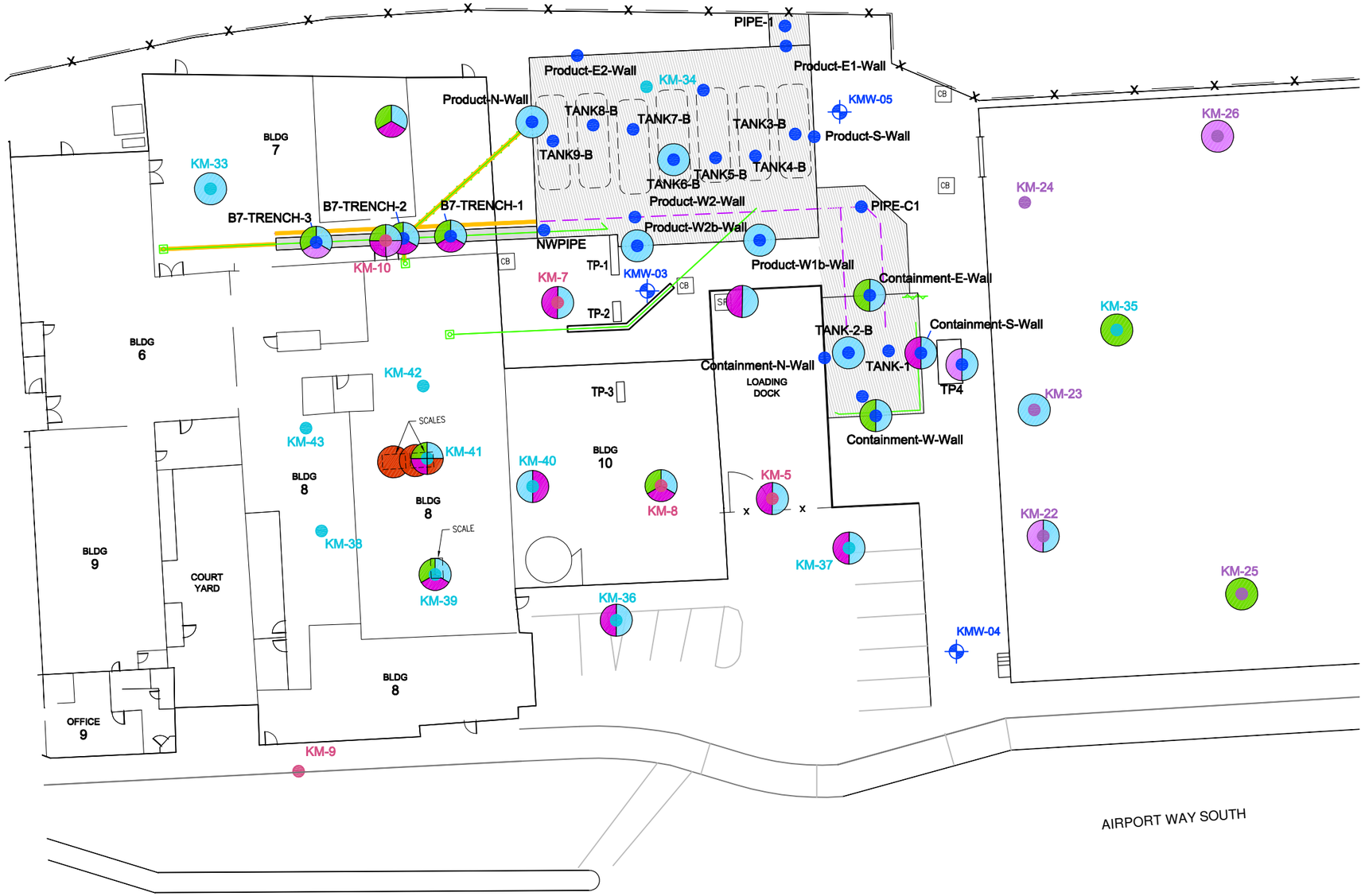
KEY - CONCENTRATION EXCEEDS CLEANUP LEVEL

- GAS
- cPAH
- METALS

SOIL SUMMARY RESULTS
NORTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/25/11	Project No. 14697
AMEC Geomatrix		Figure 9-1

Plot Date: 10/25/11 - 9:15am, Plotted by: mike.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_SummaryResults A 102511.dwg



SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER

KEY - CONCENTRATION EXCEEDS CLEANUP LEVEL

- GAS
- VOC
- cPAH
- METALS
- PCBs

0 15 30
APPROXIMATE SCALE IN FEET

SOIL SUMMARY RESULTS
CENTRAL
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/25/11	Project No. 14697
AMEC Geomatrix		Figure 9-2

Plot Date: 10/25/11 - 10:43am, Plotted by: mike.stenberg
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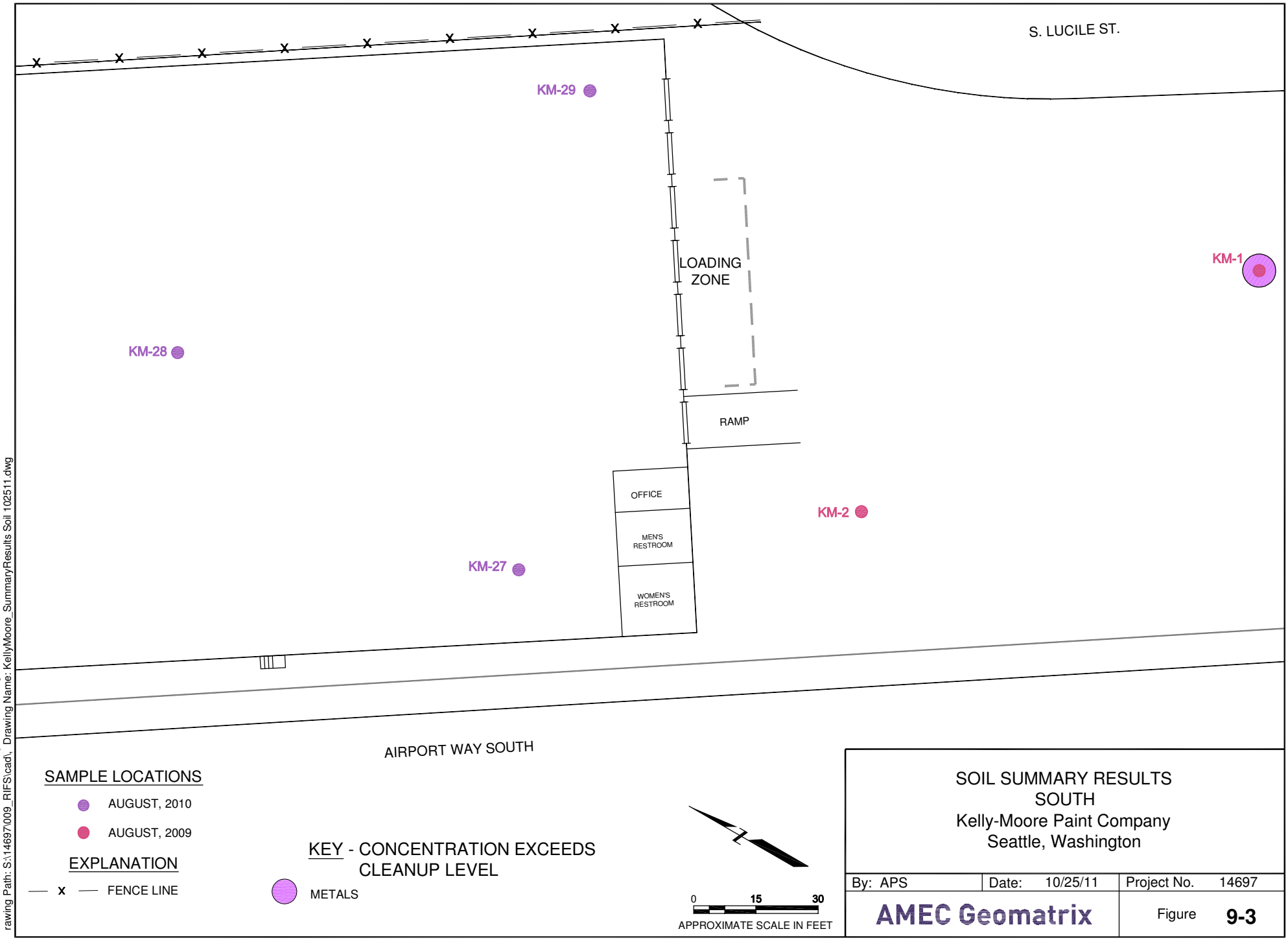
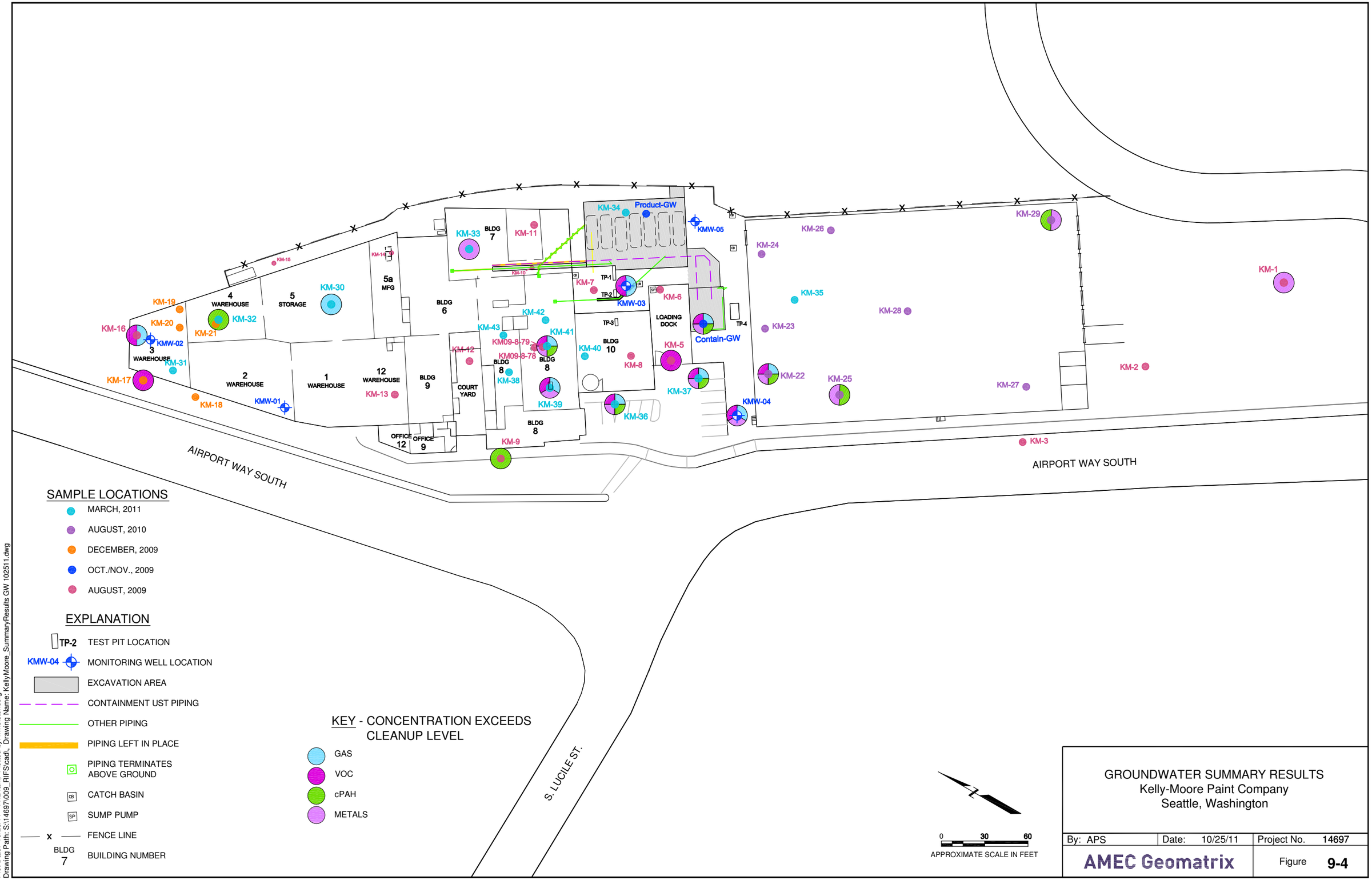


SOIL SUMMARY RESULTS
SOUTH
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/25/11	Project No. 14697
AMEC Geomatrix		Figure 9-3

Plot Date: 10/25/11 - 9:40am, Plotted by: mike.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_SummaryResults Soil 102511.dwg



SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- DECEMBER, 2009
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- CONTAINMENT UST PIPING
- OTHER PIPING
- PIPING LEFT IN PLACE
- PIPING TERMINATES ABOVE GROUND
- CB — CATCH BASIN
- SP — SUMP PUMP
- x — FENCE LINE
- BLDG 7 — BUILDING NUMBER

KEY - CONCENTRATION EXCEEDS CLEANUP LEVEL

- GAS
- VOC
- cPAH
- METALS

0 30 60
APPROXIMATE SCALE IN FEET

GROUNDWATER SUMMARY RESULTS
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 10/25/11	Project No. 14697
AMEC Geomatrix		Figure 9-4

Plot Date: 10/25/11 - 11:24am, Plotted by: mike.stenberg
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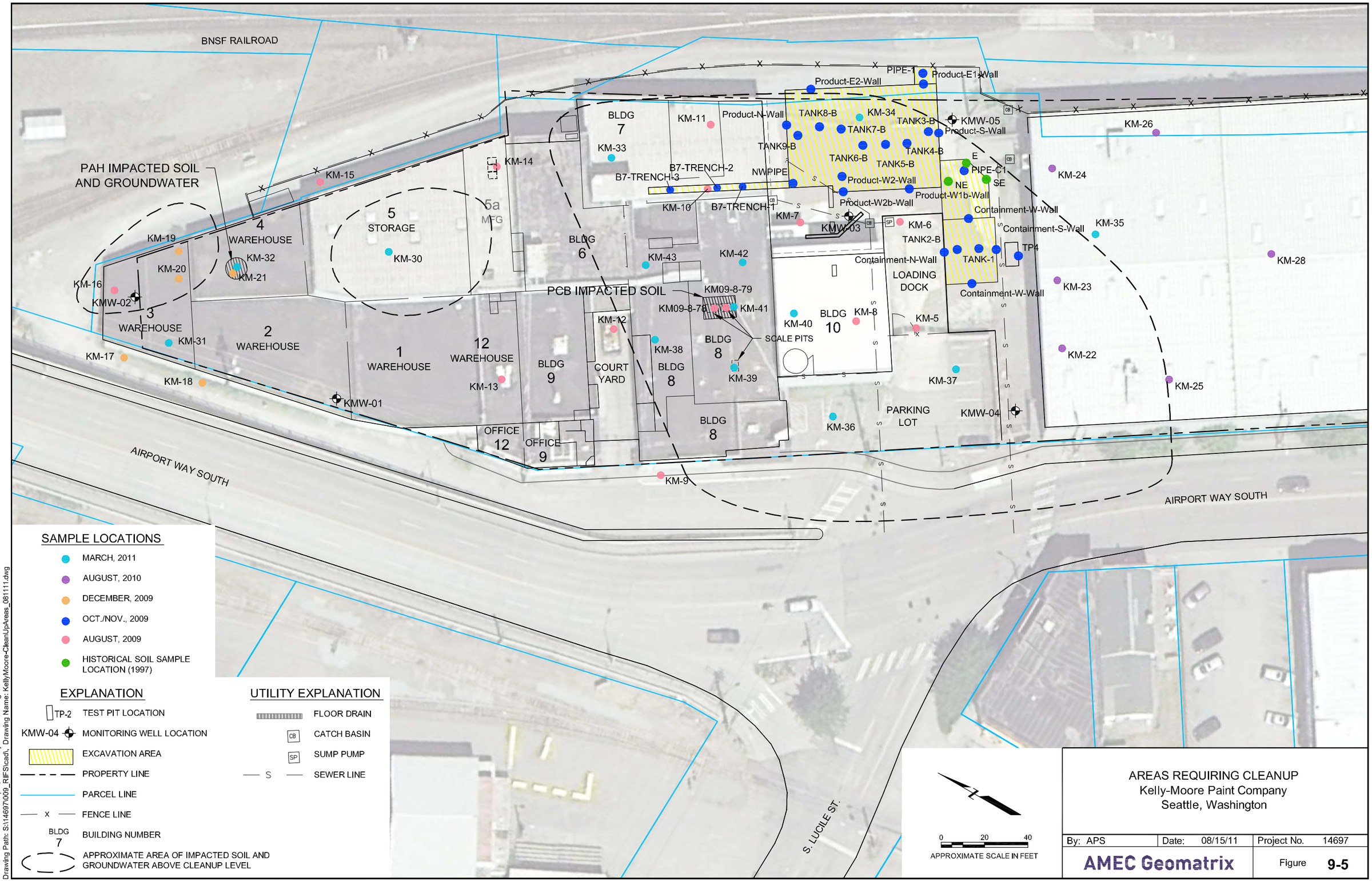


SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- DECEMBER, 2009
- OCT./NOV., 2009
- AUGUST, 2009
- HISTORICAL SOIL SAMPLE LOCATION (1997)

EXPLANATION

- TP-2 — TEST PIT LOCATION
- KMW-04 — MONITORING WELL LOCATION
- EXCAVATION AREA
- PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- BLDG 7 — BUILDING NUMBER
- APPROXIMATE AREA OF IMPACTED SOIL AND GROUNDWATER ABOVE CLEANUP LEVEL

UTILITY EXPLANATION

- FLOOR DRAIN
- CB — CATCH BASIN
- SP — SUMP PUMP
- S — SEWER LINE

0 20 40
APPROXIMATE SCALE IN FEET

AREAS REQUIRING CLEANUP
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 08/15/11	Project No. 14697
AMEC Geomatrix		Figure 9-5

Plot Date: 08/15/11 - 2:46pm, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RI\Sicad\, Drawing Name: KellyMoore-CleanUpAreas_081111.dwg

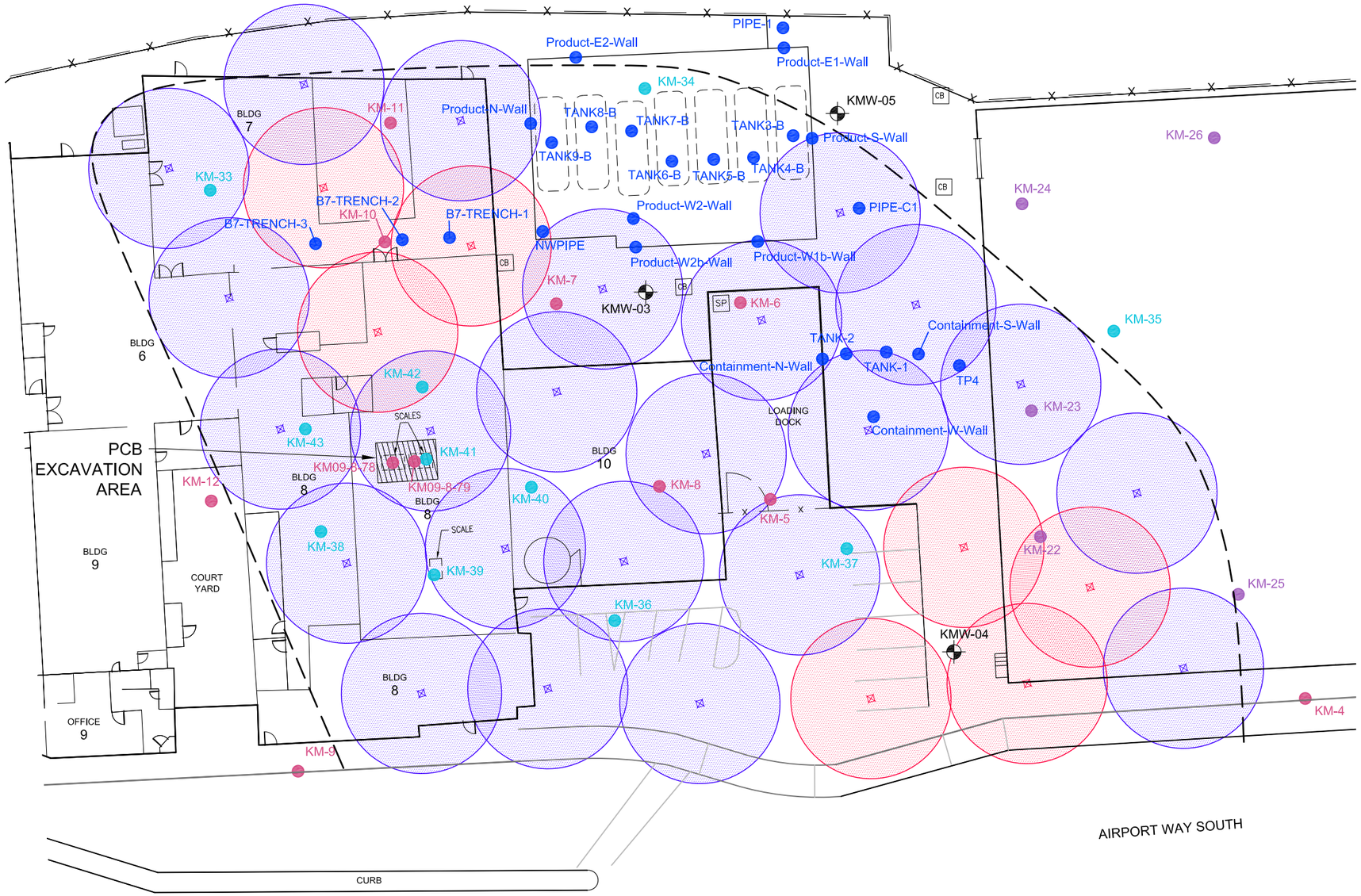
SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- BUILDING NUMBER
- EXISTING MONITORING WELL LOCATION
- APPROXIMATE AREA OF IMPACTED SOIL AND GROUNDWATER ABOVE CLEANUP LEVEL
- APPROXIMATE NON HOT SPOT DUAL-PHASE VACUUM EXTRACTION / BIOSPARGE WELL LOCATION (20' ROI)
- APPROXIMATE HOT SPOT DUAL-PHASE VACUUM EXTRACTION / BIOSPARGE WELL LOCATION (20' ROI)

ROI = RADIUS OF INFLUENCE
PCB = POLYCHLORINATED BIPHENYL



0 15 30
APPROXIMATE SCALE IN FEET

PROPOSED REMEDIATION LAYOUT
ALTERNATIVES 1 AND 2
CENTRAL AREA
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 08/15/11	Project No. 14697
AMEC Geomatrix		Figure 12-1

Plot Date: 08/15/11 - 11:55am, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_ProposedRemedLayout-1_CENTRAL_081511.dwg

SAMPLE LOCATIONS

- MARCH, 2011
- DECEMBER, 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- BLDG 9 — BUILDING NUMBER
- KMW-01 — EXISTING MONITORING WELL LOCATION
- APPROXIMATE AREA OF IMPACTED SOIL AND GROUNDWATER ABOVE CLEANUP LEVEL
- APPROXIMATE DUAL-PHASE VACUUM EXTRACTION / BIOSPARGE WELLS (20' ROI)

ROI = RADIUS OF INFLUENCE
cPAH = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBON

0 15 30
APPROXIMATE SCALE IN FEET

APPROXIMATE PROPOSED REMEDIATION LAYOUT - ALTERNATIVES 1 & 2 NORTH AREA

Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 08/15/11	Project No. 14697
AMEC Geomatrix		Figure 12-2

Plot Date: 08/15/11 - 11:28am, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_Gas-GW Soil_Well Injectn 081111.dwg

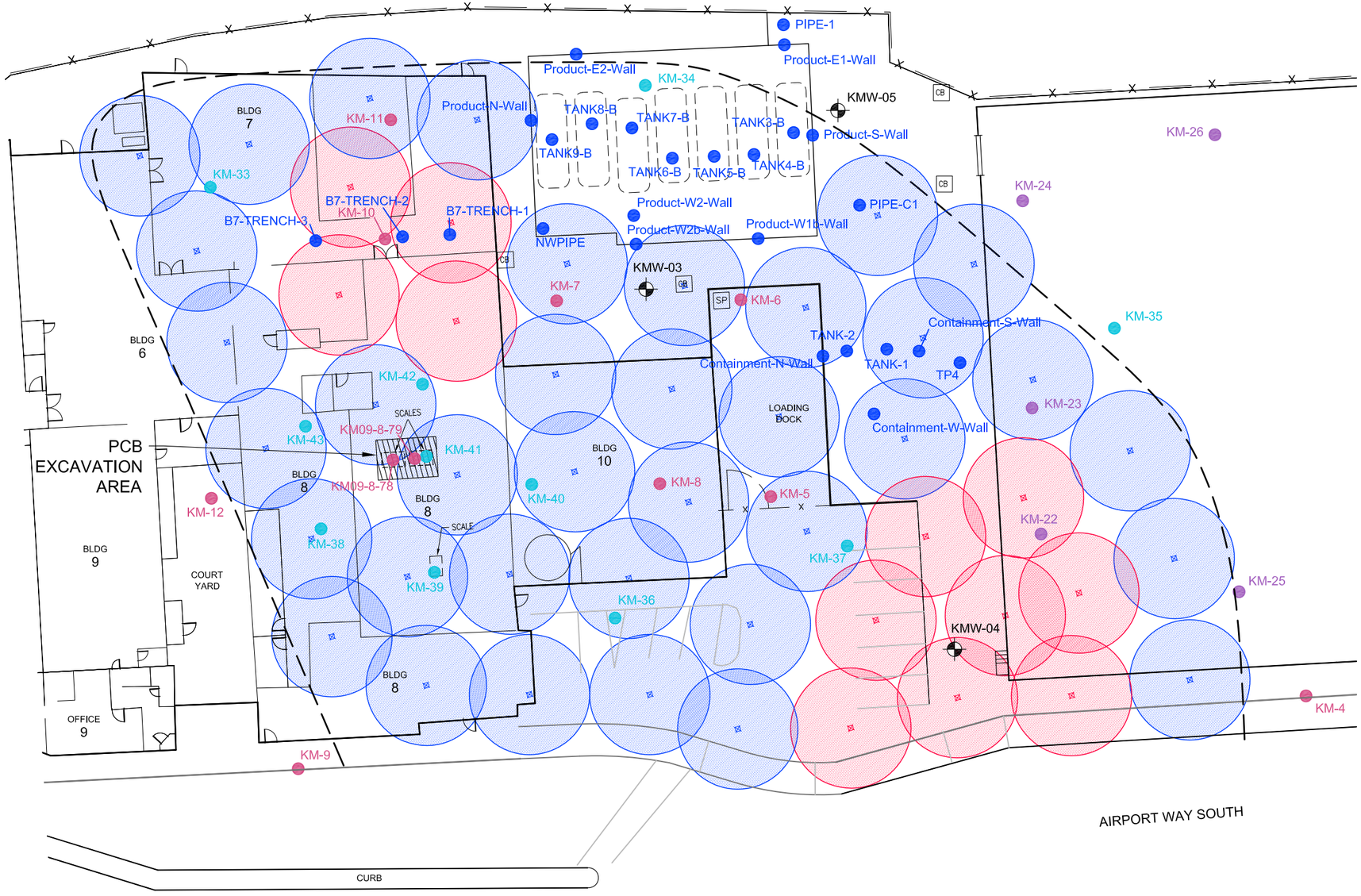
SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- BUILDING NUMBER
- KMW-04 EXISTING MONITORING WELL LOCATION
- APPROXIMATE AREA OF IMPACTED SOIL AND GROUNDWATER ABOVE CLEANUP LEVEL
- APPROXIMATE NON HOT SPOT INJECTION POINT LOCATIONS (15' ROI)
- APPROXIMATE HOT SPOT INJECTION POINT LOCATIONS (15' ROI)

ROI = RADIUS OF INFLUENCE
PCB = POLYCHLORINATED BIPHENYL

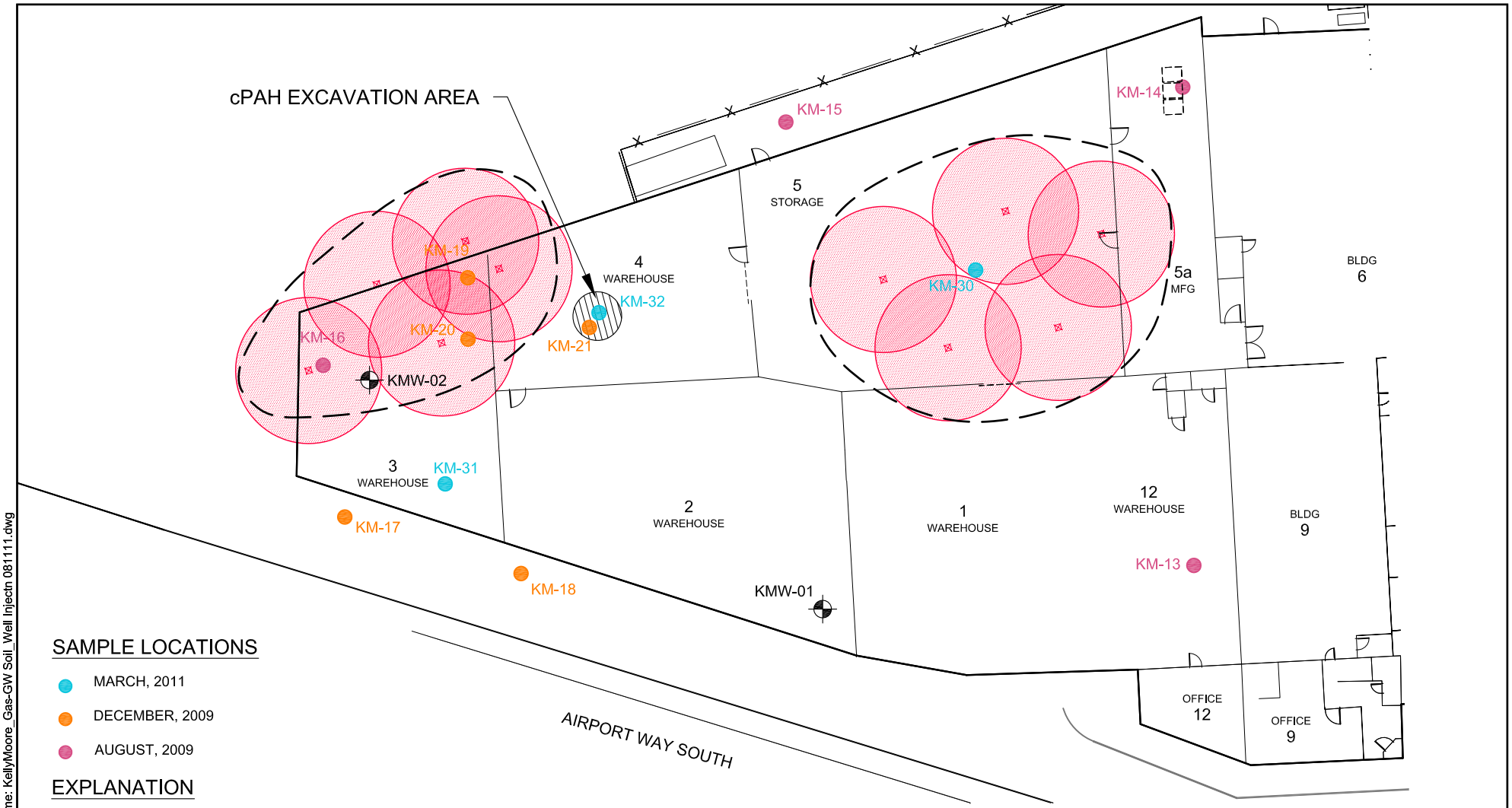


0 15 30
APPROXIMATE SCALE IN FEET

APPROXIMATE PROPOSED
REMEDIATION LAYOUT ALTERNATIVE 3
CENTRAL AREA
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 08/15/11	Project No. 14697
AMEC Geomatrix	Figure	12-3

Plot Date: 08/15/11 - 11:56am, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_ProposedRemedLayout-3_CENTRAL_081511.dwg



SAMPLE LOCATIONS

- MARCH, 2011
- DECEMBER, 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- BLDG 9 — BUILDING NUMBER
- KMW-01 — EXISTING MONITORING WELL LOCATION
- APPROXIMATE AREA OF IMPACTED SOIL AND GROUNDWATER ABOVE CLEANUP LEVEL
- APPROXIMATE HOT SPOT INJECTION POINT LOCATIONS (15' ROI)

ROI = RADIUS OF INFLUENCE
cPAH = CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBON

0 15 30
APPROXIMATE SCALE IN FEET

APPROXIMATE PROPOSED REMEDIATION LAYOUT ALTERNATIVES 3 & 4 NORTH AREA

Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 08/15/11	Project No. 14697
AMEC Geomatrix		Figure 12-4

Plot Date: 08/15/11 - 11:31am, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: KellyMoore_Gas-GW Soil_Well Injectn 081111.dwg

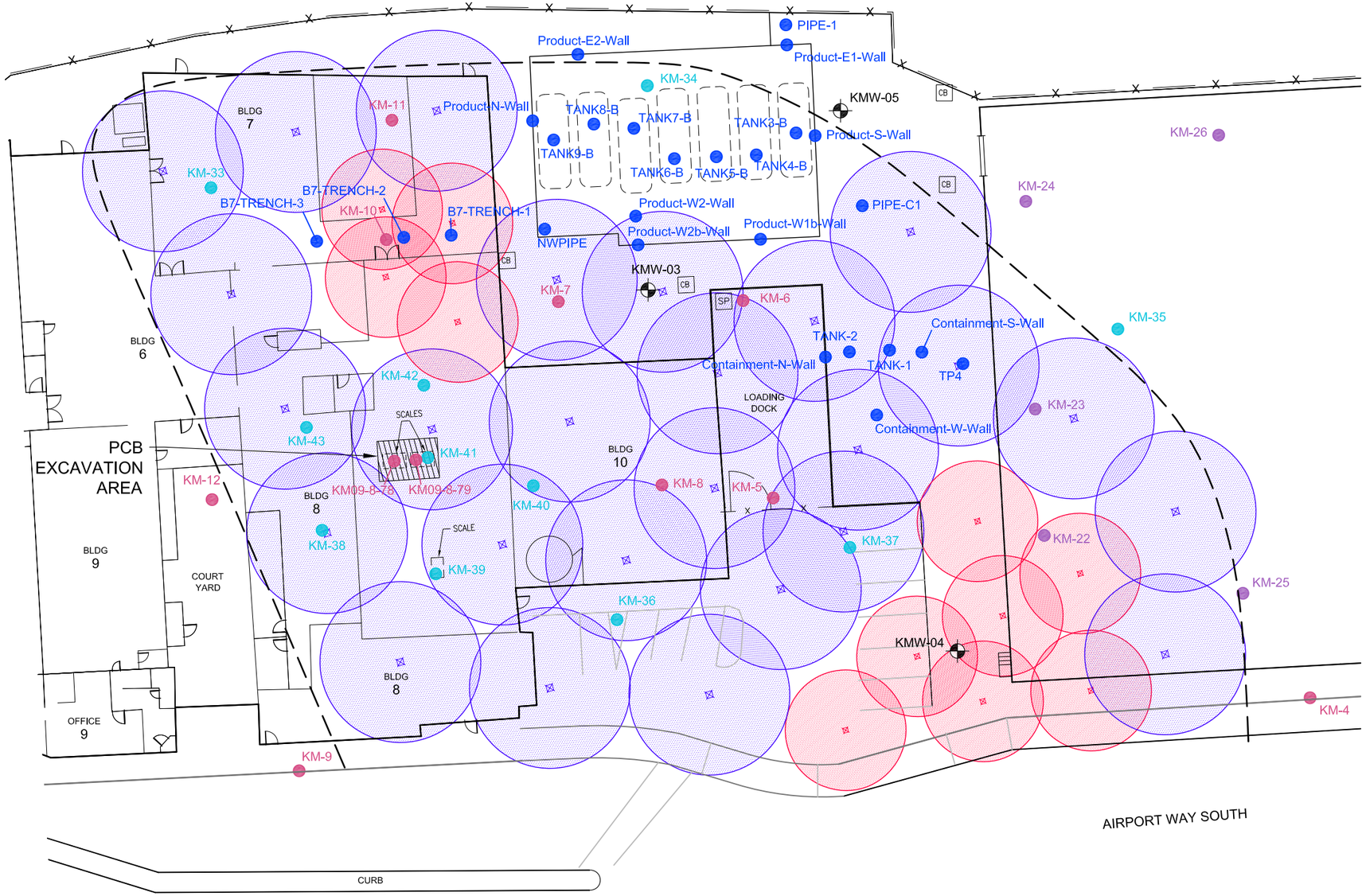
SAMPLE LOCATIONS

- MARCH, 2011
- AUGUST, 2010
- OCT./NOV., 2009
- AUGUST, 2009

EXPLANATION

- FENCE LINE
- BLDG 7 — BUILDING NUMBER
- KMW-04 — EXISTING MONITORING WELL LOCATION
- APPROXIMATE AREA OF IMPACTED SOIL AND GROUNDWATER ABOVE CLEANUP LEVEL
- APPROXIMATE NON HOT SPOT BIOSPARGE WELL LOCATIONS (20' ROI)
- APPROXIMATE HOT SPOT INJECTION POINT LOCATIONS (15' ROI)

ROI = RADIUS OF INFLUENCE
PCB = POLYCHLORINATED BIPHENYL



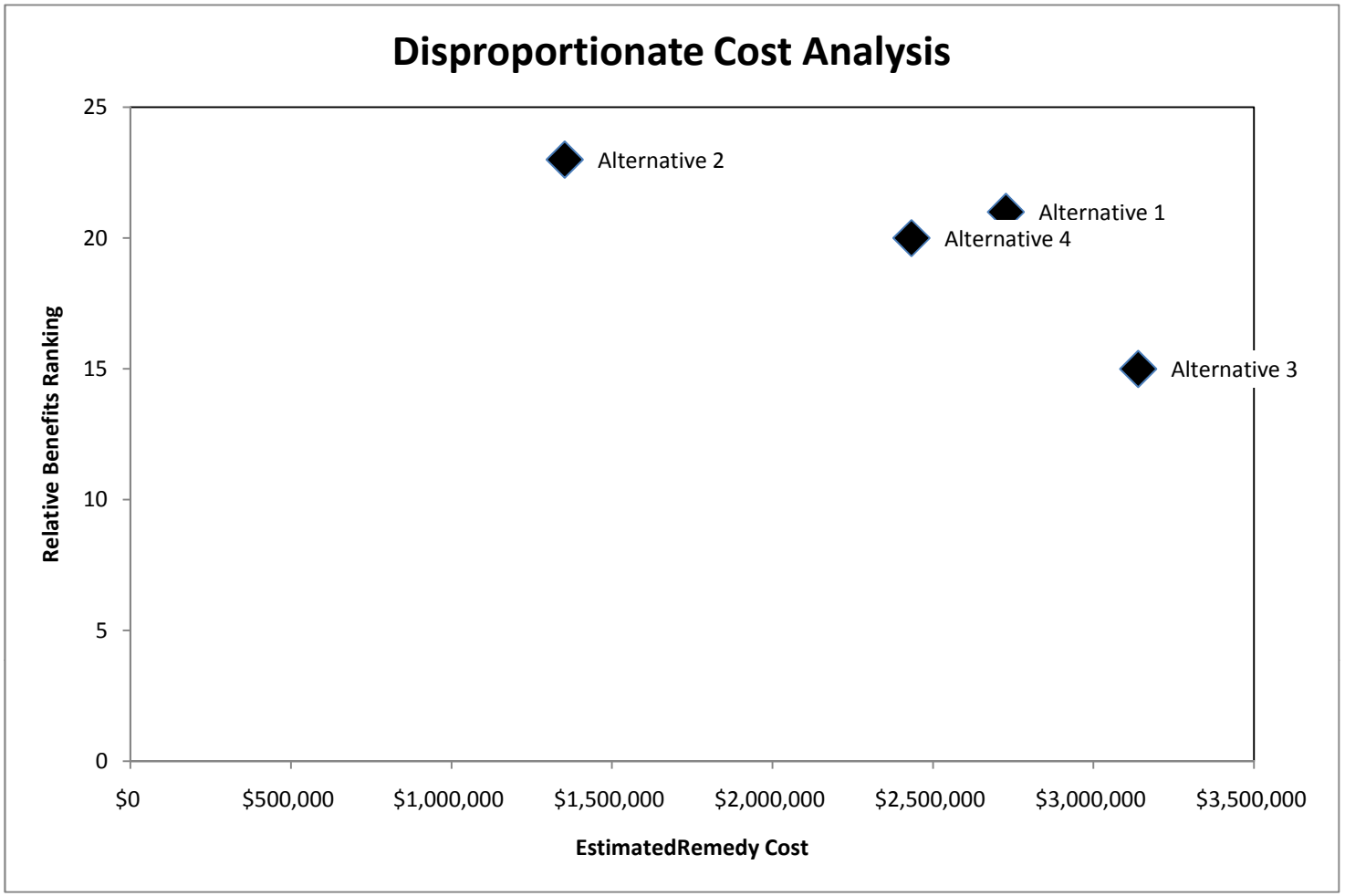
0 15 30
APPROXIMATE SCALE IN FEET

APPROXIMATE PROPOSED
REMEDIATION LAYOUT ALTERNATIVE 4
CENTRAL AREA
Kelly-Moore Paint Company
Seattle, Washington

By: APS	Date: 08/15/11	Project No. 14697
AMEC Geomatrix		Figure 12-5

Plot Date: 08/15/11 - 11:57am, Plotted by: adam.stenberg
Drawing Path: S:\14697\009_RIFS\cad\, Drawing Name: Kelly-Moore_ProposedRemedLayout-4_CENTRAL_081511.dwg

P:\14697 - Kelly Moore Paint Company\3000 Report\RIFS\Figures\dcacolor landscape 8/15/2011



DISPROPORTIONATE COST ANALYSIS
Kelly-Moore Paint Company
Seattle, Washington

By: TL	Date:	Project No.: 0146970020
AMEC Geomatrix		Figure 12-6

APPENDIX A

Description of the Property

PRESERVATIVE PAINT COMPANY

Chronological Sequence of Ownership and Leases

at

5410 Airport Way South

Seattle, Washington

This report reflects review of Preservative Paint Company ("PPC") records on hand in May, 1986, including title abstracts, deeds, leases, and minutes of meetings of PPC Board of Directors.

The history that follows is not complete. A professional title search will be required if this data is not sufficient. A plot map is attached for reference.

Parcel 1:

North ½ of Lot 1, Block 8 and vacated South ½ of Baltimore Avenue.

Leased by Asphaltum Products Company (later to become Preservative Paint Company) in 1908.

Purchased by PPC between 1920 and 1927.

Parcel 2:

North ½ vacated Baltimore Avenue and West portion of Lot 9, Southwest portion of Lot 8, Block 9.

Date of original lease unknown.

Purchased by PPC in 1942.

Parcel 3:

East strip of South ½ of vacated Baltimore Avenue and Lot 1, Block 8.

Leased from Northern Pacific Railway Company in 1947.

Parcel 4:

South ½ of Lot 1, North ½ of Lot 2, Block 8.

Purchased from Pacific Coast Coal Company in 1951.

Parcel 5:

North 20 feet of vacated Lucile Street Bridge.

Purchased from City of Seattle in 1982.

Parcel 6:

Southwest corner of Lot 8 and 12-foot North-South center strip of Lot 9, Block 9, and 12-foot North-South center strip of North ½ vacated Baltimore Avenue.

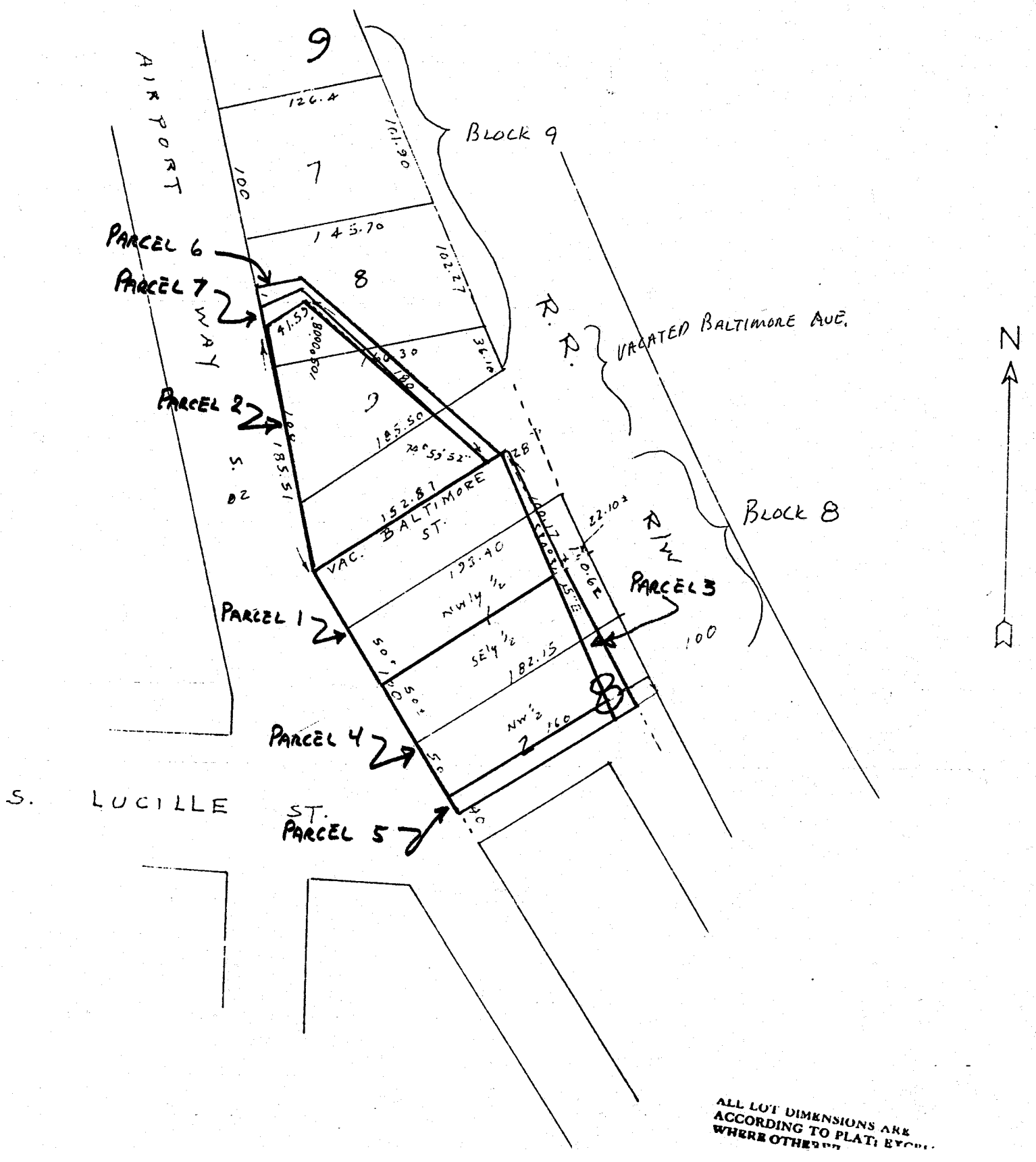
Leased from Oregon-Washington Railroad and Navigation Company and its lessee, Union Pacific Railroad Company in October, 1985 (see attached map).

Parcel 7:

Portion of Southwest corner of Lot 8 and 6-inch strip of North-South strip of Lot 9, Block 9.

Purchased from Oregon-Washington Railroad Company. Transaction not yet complete as of May 14, 1986 (see attached map).

This sketch is not based upon a survey of the property described in Order No. 133785 of Lawyers Title Insurance Corporation. It is furnished without charge solely for the purpose of assisting in locating the said premises. It does not purport to show all roads or easements. The Company assumes no liability for inaccuracies therein.



ALL LOT DIMENSIONS ARE ACCORDING TO PLAT; EXCEPT WHERE OTHERWISE

PRIVATE ROADWAY ENCROACHMENT
Seattle (Argo), WA
PLD 311-2-1.72
(8507-CON47-29)

RE# 795-29

U.P. LEASE Agreement

THIS AGREEMENT is made and entered into as of the 9th day of October, 1985, by and between the OREGON-WASHINGTON RAILROAD & NAVIGATION COMPANY, an Oregon corporation, and its lessee, UNION PACIFIC RAILROAD COMPANY, a Utah corporation (herein collectively referred to as "Licensor"), and PRESERVATIVE PAINT COMPANY, a Washington corporation (herein called "Licensee").

RECITALS:

The Licensee desires to continue to maintain and use a private roadway (herein called "Private Roadway") on the Licensor's property at Seattle, Argo, Washington, in the location indicated on print dated June 25, 1985, attached hereto, marked Exhibit "A".

NOW, THEREFORE, it is mutually agreed by and between the parties hereto as follows:

Section 1. LICENSOR GRANTS RIGHT.

(a) The Licensor hereby grants to the Licensee, subject to the terms and conditions herein stated, the right to maintain and use said Private Roadway in the location described in the recitals hereof.

(b) In consideration of the license and permission granted herein, the Licensee shall and will do, keep, observe and perform each and all of the terms, provisions, conditions, limitations and covenants herein contained, and shall pay the Licensor the sum of ONE HUNDRED & NO/100 DOLLARS ($100.00) per annum, payable annually in advance. In addition, upon execution and delivery of this agreement, the Licensee shall pay to the Licensor the sum of ONE HUNDRED & NO/100 DOLLARS ($100.00) to cover the cost of preparation hereof.

(c) The foregoing grant is subject and subordinate to the prior and continuing right and obligation of the Licensor to use and maintain the

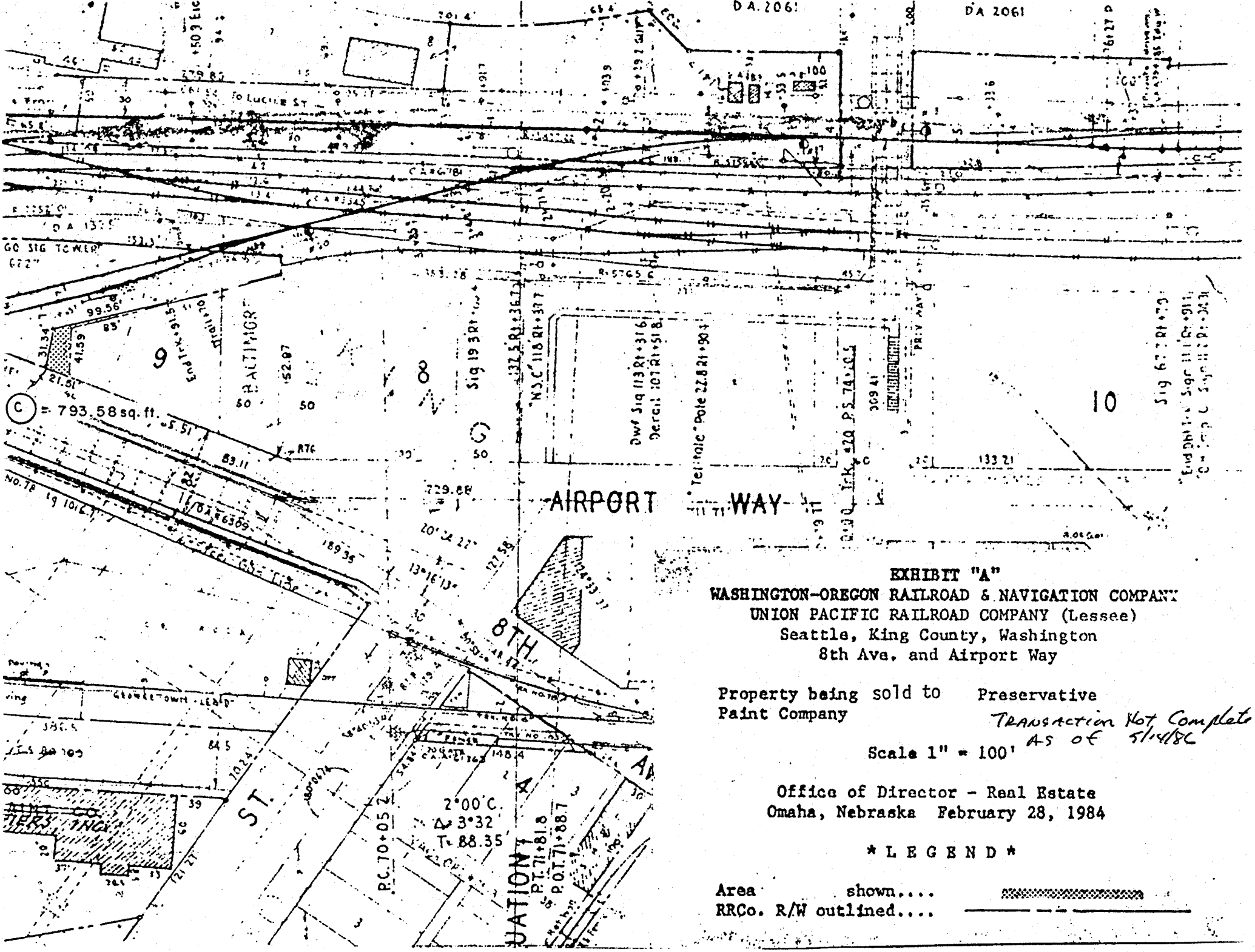


EXHIBIT "A"
WASHINGTON-OREGON RAILROAD & NAVIGATION COMPANY
UNION PACIFIC RAILROAD COMPANY (Lessee)
Seattle, King County, Washington
8th Ave. and Airport Way

Property being sold to Preservative Paint Company

Transaction Not Complete As of 5/14/84

Scale 1" = 100'

Office of Director - Real Estate
Omaha, Nebraska February 28, 1984

* L E G E N D *

Area shown....
RRCo. R/W outlined....

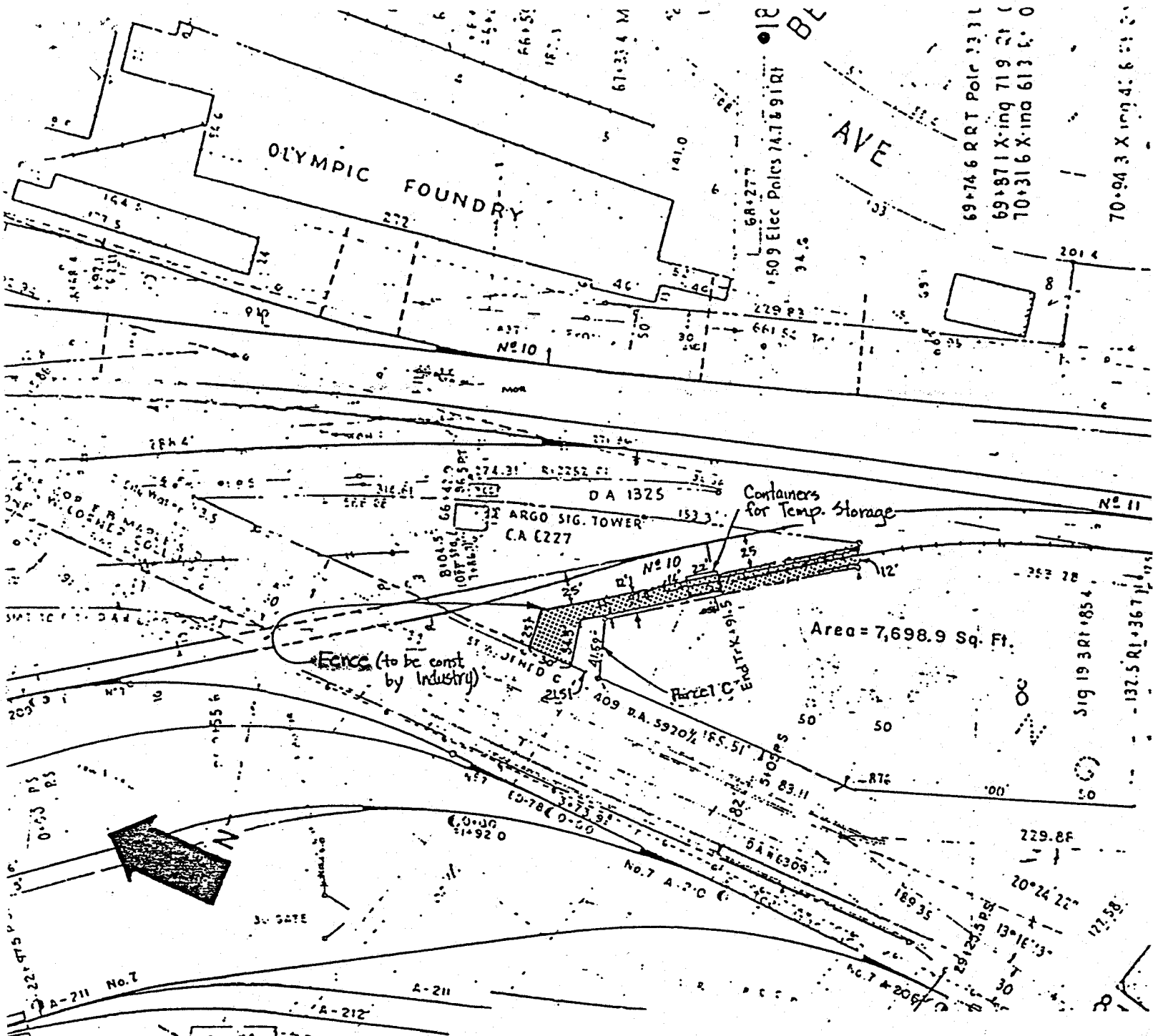


EXHIBIT "A"
OREGON-WASHINGTON RAILROAD & NAVIGATION CO.
UNION PACIFIC RAILROAD COMPANY (Lessee)
Seattle (Argo), King County, Washington

To accompany agreement with Preservative Paint Company covering roadway encroachment

Scale 1" = 100'

Office of Director-Real Estate
Omaha, Nebraska June 25, 1985

* L E G E N D *

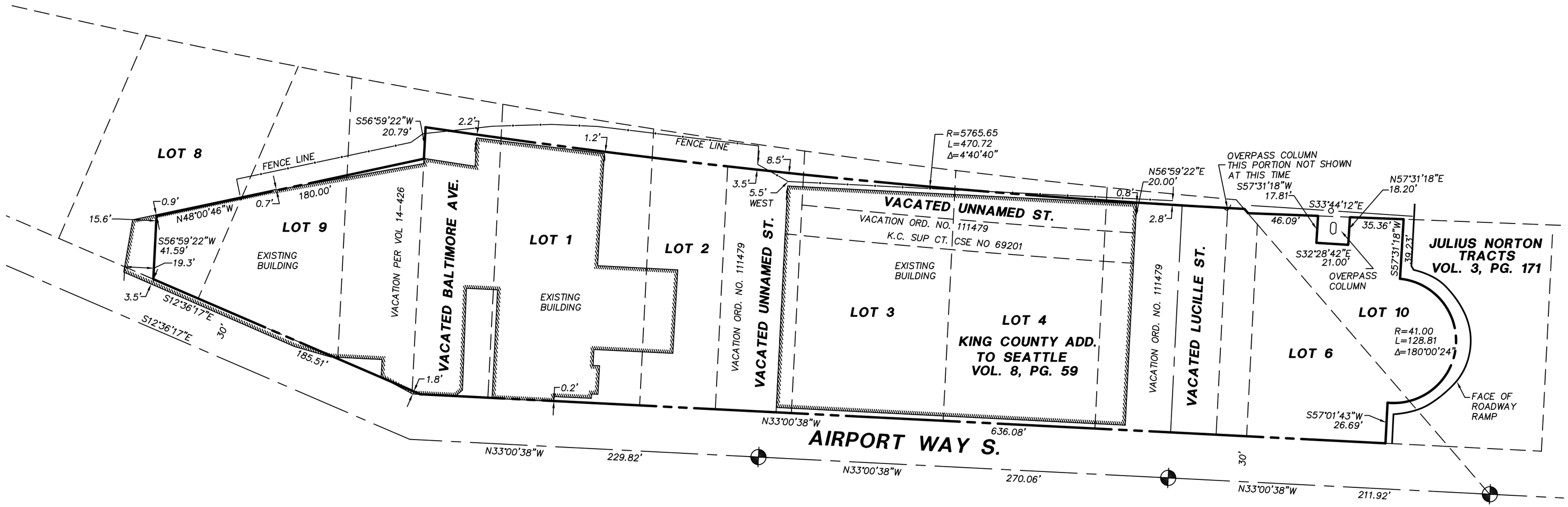
Roadway encroachment shown... ORANGE
Fence shown...
RRCo. R/W outlined...

FILE WA 810-04
RCV

BOUNDARY EXHIBIT

FOR THE KELLY MOORE PAINT CO. INC.

NW 1/4, SE 1/4 AND THE SW 1/4, NE 1/4 OF SEC 20N.,T.24, R.4E., W.M.



LEGAL DESCRIPTION

ALL THOSE PARTS OF LOTS 8 AND 9, BLOCK 9, KING COUNTY ADDITION TO THE CITY OF SEATTLE, KING COUNTY, WASHINGTON, ACCORDING TO THE OFFICIAL PLAT THEREOF ON FILE IN THE AUDITORS OFFICE OF KING COUNTY, WASHINGTON AND VACATED BALTIMORE AVENUE BETWEEN BLOCKS 8 AND 9 OF SAID ADDITION DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF THE CENTER LINE OF VACATED BALTIMORE AVENUE WITH THE NORTHEASTERLY LINE OF AIRPORT WAY (FORMERLY 8TH AVENUE SOUTH); THENCE NORTHEASTERLY ALONG THE CENTER LINE OF VACATED BALTIMORE AVENUE, A DISTANCE OF 152.87 FEET TO A POINT THEREON; THENCE NORTHWESTERLY ALONG A STRAIGHT LINE WHICH FORMS AN ANGLE OF 74°59'52" FROM THE SOUTHWEST TO THE NORTHWEST WITH SAID CENTER LINE OF VACATED BALTIMORE AVENUE, A DISTANCE OF 180 FEET TO A POINT; THENCE SOUTHWESTERLY ALONG A STRAIGHT LINE WHICH FORMS AN ANGLE OF 105°0'08" FROM SOUTHEAST TO SOUTHWEST WITH THE LAST DESCRIBED STRAIGHT LINE A DISTANCE OF 41.59 FEET TO A POINT ON SAID NORTHEASTERLY LINE OF AIRPORT WAY; THENCE SOUTHEASTERLY ALONG SAID NORTHEASTTERLY LINE OF AIRPORT WAY A DISTANCE OF 185.51 FEET TO POINT OF BEGINNING; LOT 1 AND THE SOUTHEASTERLY ONE-HALF OF VACATED BALTIMORE AVENUE, ADJOINING, AND NORTHWESTERLY HALF OF LOT 2; EXCEPT RIGHT-OF-WAY CONVEYED TO NORTHERN PACIFIC RAILWAY COMPANY BY DEED RECORDED UNDER RECORDING NUMBER 628522 AND THAT PORTION OF THE SOUTH 10 FEET OF LOT 2 AND ALL OF LOTS 3 AND 4 AND THE NORTH 20 FEET OF LOT 5, ALL IN BLOCK 8, KING COUNTY ADDITION TO THE CITY OF SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 8 OF PLATS, PAGE 59, IN KING COUNTY, WASHINGTON, LYING SOUTHWESTERLY OF THE STRIP OF LAND APPROPRIATED BY CITY OF GEORGETOWN BY JUDGMENT ENTERED IN KING COUNTY SUPERIOR COURT CAUSE NUMBER 69201;

ALSO THAT PORTION OF THE NORTH 20 FEET OF THE SOUTH 20 FEET OF SAID LOT 2 AS DESCRIBED IN INSTRUMENT RECORDED UNDER RECORDING NUMBER 8211120680 LYING WEST OF THE EAST LINE OF THOSE PORTIONS OF SAID LOTS 2, AND 4 DESCRIBED ABOVE PRODUCED NORTHERLY;

ALSO THAT PORTION OF LOT 5 LYING SOUTHERLY OF SOUTH LUCILLE STREET AND ALL OF LOT 6, BLOCK 8, KING COUNTY ADDITION TO THE CITY OF SEATTLE, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 8 OF PLAT, PAGE 59, IN KING COUNTY, WASHINGTON;

ALSO THAT PORTION OF TRACT 10, TRACTS OF JULIUS HORTON, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 3 OF PLAT, PAGE 171, IN KING COUNTY, WASHINGTON, LYING NORTHWESTERLY AND SOUTHWESTERLY OF THE THREE TRACTS CONVEYED TO THE CITY OF SEATTLE BY DEED RECORDED UNDER RECORDING NUMBER 84020685;

TOGETHER WITH THAT PORTION OF VACATED LUCILLE STREET AND UNNAMED STREET AS VACATED UNDER VACATION ORDINANCE NO. 111479 AND FILE UNDER RECORDING NUMBER 8401100723, WHICH WOULD ATTACH TO AL THE ABOVE DESCRIBED PROPERTY BY OPERATION OF LAW; EXCEPT THOSE "AERIAL RIGHTS" AND "PERPETUAL RIGHTS: CONVEYED TO THE CITY OF SEATTLE BY DEED RECORDED UNDER KING COUNTY RECORDING NUMBER 8402020686.

SURVEY NOTES:

1. *THE PURPOSE OF THIS SURVEY IS TO DEFINE THE BOUNDARY LINES OF THE PARCEL DESCRIBED HEREON. NO CORNERS HAVE BEEN SET AT THIS TIME.*
2. *FIELD WORK WAS DONE IN SEPTEMBER AND OCTOBER OF 2008 USING TRIMBLE 4400 SERIES GPS RECEIVERS (RTK METHOD) AND A SOKIA SET, TWO SECOND TOTAL STATION WITH RESULTING CLOSURES EXCEEDING THE MINIMUM ACCURACY STANDARDS AS ESTABLISHED BY W.A.C. 332-130.*
3. *THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP ARE PER RECORD TITLE INFORMATION AND REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW.*
4. *THE TITLE REPORT FOR THE PARCEL AS SHOWN HEREON WAS PROVIDED BY THE CLIENT AND WAS PREPARED BY STEWART TITLE COMPANY OF WASHINGTON INC. TITLE ORDER NO. 253607 DATED JULY 22, 1994.*
5. *REFERENCE IS MADE TO THE FOLLOWING RECORDS OF SURVEY WHICH WERE USED TO CALCULATE AND/OR ASCERTAIN THE BOUNDARY AS SHOWN HEREON...*
   RECORD OF SURVEY RECORDING NO. 7609019001.
   RECORD OF SURVEY RECORDING NO. 20070831900003.
   PLAT OF KING COUNTY ADDITION TO THE CIT OF SEATTLE VOLUME 8, PAGE 59.
   CITY OF SEATTLE PUBLIC UTILITIES MAPS OF THE SE AND NE QUARTERS OF SEC. 20-24-4

   RECORDS OF KING COUNTY, WASHINGTON.

LEGEND

⊕ = FOUND CASED CONCRETE MONUMENT

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CENTERLINE OF AIRPORT WAY S. PER RECORD OF SURVEY RECORDING NUMBER 7609019001 BEARING N33°00'38"W AS SHOWN.

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

ROBERT J. BOGDON
STATE OF WASHINGTON
33487
REGISTERED
PROFESSIONAL LAND SURVEYOR
PRELIMINARY
SUBJECT TO REVISION

INDEX LOCATION:
SEC 20 T24N.R 4E. W.M.

20

RECORDER'S CERTIFICATE .....

FILED FOR RECORD THIS.....DAY OF ..... 200....AT.....M
IN BOOK.....OF.....AT PAGE.....AT THE
REQUEST OF .....ROBERT J. BOGDON.....
SURVEYOR'S NAME

....
MGR. SUPT. OF RECORDS

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT AT THE REQUEST OF KELLY MOORE PAINT CO. INC. IN SEPT. 2008

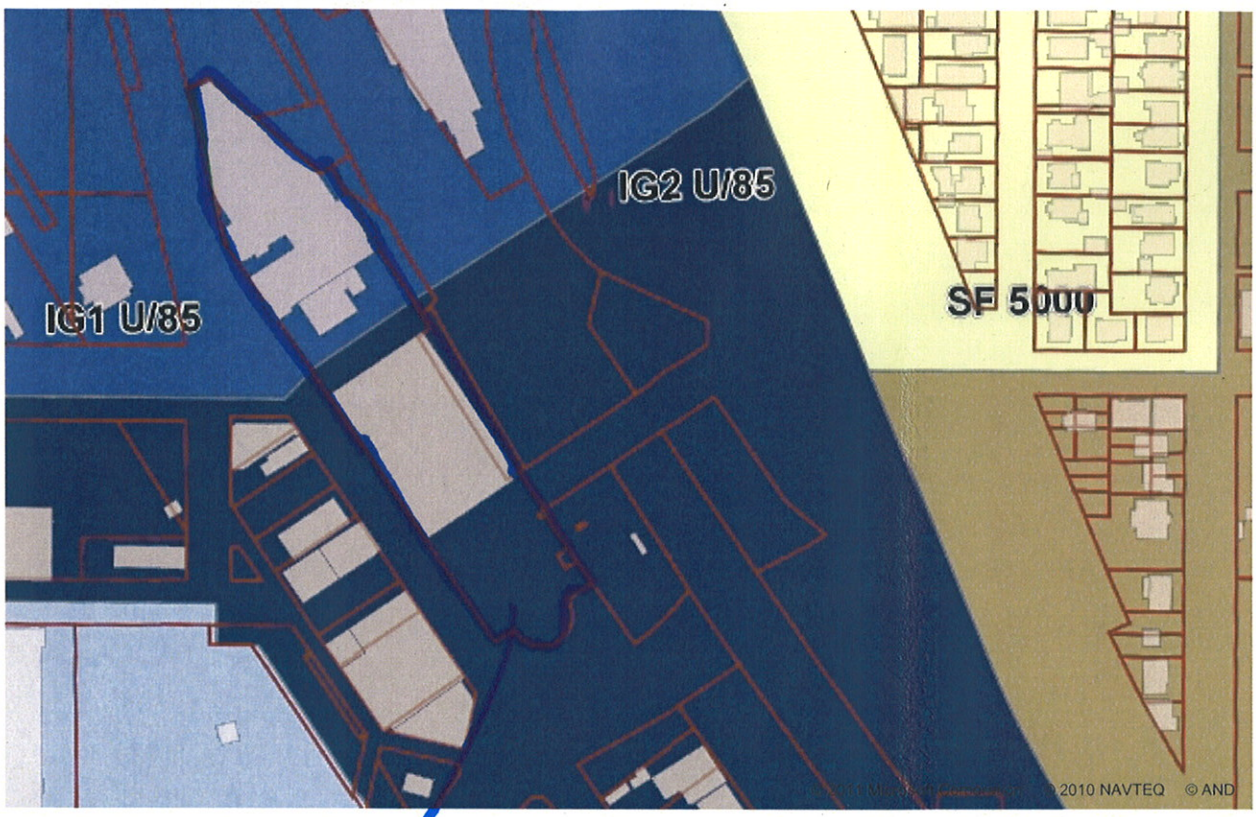
.....
ROBERT J. BOGDON
CERTIFICATE NO. 33487

EASTSIDE CONSULTANTS, INC.
ENGINEERS-SURVEYORS
1320 N.W. MALL ST., SUITE B
ISSAQUAH, WASHINGTON 98027
PHONE: (425)392-5351
FAX: (425)392-4676

RECORD OF SURVEY FOR
KELLY MOORE PAINT CO. INC.
KING COUNTY WASHINGTON

DWN BY	DATE	JOB NO.
EMW	12/08	08109
CHKD BY	SCALE	SHEET
R. BOGDON	1"=50'	1 OF 1

Seattle.gov
City of Seattle



Displaying layers:
Detailed Zoning
Overlay
Building Outlines
Parcels

No warranties of any sort, including accuracy, fitness, or merchantability accompany this product.
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KM property:

North parcel zoned IG1 U/85 = General Industrial 1

South parcel zoned IG2 U/85 = General Industrial 2

APPENDIX B

Boring Logs and Survey

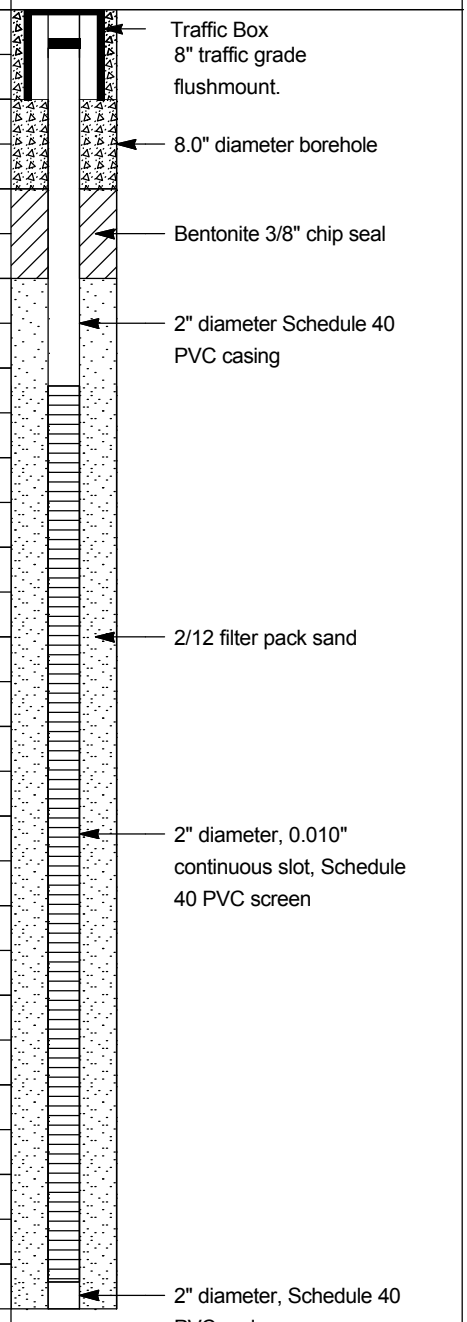
PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Well No. KMW-01**
BORING LOCATION: Inside Building 2	GROUND SURFACE ELEVATION AND DATUM: Ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/23/11 / DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 14.0 / SCREEN INTERVAL (ft.): 3.61-13.39
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER: FIRST 5.5 / COMPL. NA / CASING: 3/4" Sched. 40 PVC
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					Surface Elevation: 19.37	
0					CONCRETE FLOOR	Traffic Box 8" traffic grade flushmount.
1					SILTY GRAVEL with SAND (GM): black (2.5Y 2.5/1), moist, 50% fine to coarse gravel, 30% fine to coarse sand, 20% non-plastic silt	3.0" diameter borehole
2					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	Bentonite 3/8" chip seal
3				0.0		3/4" diameter Schedule 40 PVC casing
4						
5					scattered material with burned appearance	
6				0.0	wet	
7				0.0		2/12 filter pack sand
8						
9				0.0		3/4" diameter, 0.010" continuous slot, Schedule 40 PVC screen
10				0.0		
11					Cannot sample borehole deeper due to flowing sands	
12						
13						
14					bottom of boring at 14 feet	3/4" diameter, Schedule 40 PVC endcap
15						

OAKWELLV (REV. 9/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Well No. KMW-02**
BORING LOCATION: Inside Building 3	GROUND SURFACE ELEVATION AND DATUM: Ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/18/11 / DATE FINISHED: 3/18/11
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 14.5 / SCREEN INTERVAL (ft.): 3.97-13.73
DRILLING EQUIPMENT: Limited Access Rig	DEPTH TO WATER: FIRST 5.5, COMPL. NA / CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: 140 lbs / DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528

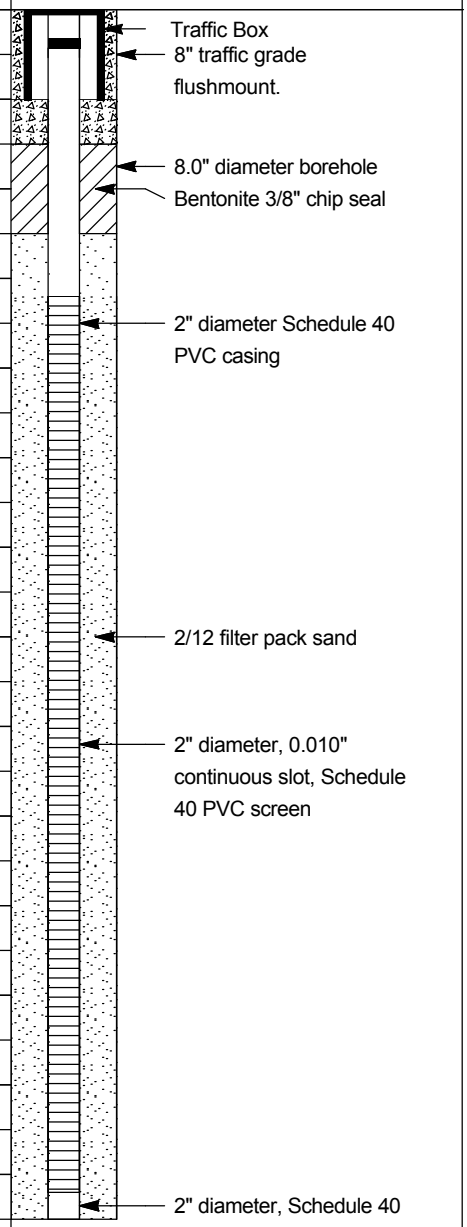
DEPTH (feet)	SAMPLES Sample No.	SAMPLES Sample	SAMPLES Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: 19.79
0					CONCRETE FLOOR
1					WELL GRADED SAND with SILT and GRAVEL (SW-SM): black (2.5Y 2.5/1), moist, 60% fine to coarse sand, 20% fine to coarse gravel, 10% non-plastic silt, 10% debris (wood, bricks, etc.)
2			7 4 3	0.0	
3					SILTY SAND (SM): dark reddish brown (5YR 3/3), moist to wet, 80% fine to medium sand, 20% non-plastic fines
4			9 12 10	0.0	
5	KMW-02-0311-5				
6			9 10 11	0.0	wet
7					
8			12 13 16	0.0	red staining (FeOx)
9					
10			14 15 18	0.0	
11			15 20 18	0.0	
12					
13			15 16 11	0.0	
14					Flowing sands- cannot continuously sample any deeper.
					Bottom of boring at 14.5 feet
15					



OAKWELLV (REV. 9/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Well No. KMW-03**
BORING LOCATION: Former UST Area, East of building 10	GROUND SURFACE ELEVATION AND DATUM: Ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/18/11 / DATE FINISHED: 3/18/11
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 13.5 / SCREEN INTERVAL (ft.): 3.64-13.42
DRILLING EQUIPMENT: Limited Access Rig	DEPTH TO WATER: FIRST 4.5, COMPL. NA / CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: 140 lbs / DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES Sample No.	Sample	Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: 18.64
0					No Recovery
1					
2			4 17 20	89.9	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 80% fine to coarse sand, 10% non-plastic fines, 5% fine gravel, 5% debris, strong odor
3			12 9 6	437	
4					wet
5			12 9 9	990	
6			10 11 9	986	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, trace fine gravel, strong odor
7					
8			12 14 15	648	
9			12 13 16	230	
10					
11			17 19 20	1178	
12			17 25 30	482	
13					Bottom of boring at 13.5 feet
14					
15					



PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Well No. KMW-04**
BORING LOCATION: Near NW corner of S Warehouse	GROUND SURFACE ELEVATION AND DATUM: Ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/17/11 / DATE FINISHED: 3/17/11
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 13.5 / SCREEN INTERVAL (ft.): 3.2-13.2
DRILLING EQUIPMENT: Limited Access Rig	DEPTH TO WATER: FIRST 4.8, COMPL. NA / CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: 140 lbs / DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES Sample No.	SAMPLES Sample	SAMPLES Blows/ Foot	OVM Reading	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
					Surface Elevation: 18.64	
0					No Recovery- Asphalt	Traffic Box 8" traffic grade flushmount.
1					SILTY SAND (SM): black (2.5Y 2.5/1), moist, 80% fine to coarse sand, 20% non-plastic fines, trace fine gravel	
2	KMW-04-0311-2		15 15 16		SILTY SAND (SM): black (2.5Y 2.5/1), moist to wet, 80% fine to coarse sand, 20% non-plastic fines, strong odor	8.0" diameter borehole Bentonite 3/8" chip seal
3			12 12 12			2" diameter Schedule 40 PVC casing
4	KMW-04-0311-4.5					
5			5 5 10		wet	
6			5 4 5			
7						2/12 filter pack sand
8			3 5 10			2" diameter, 0.010" continuous slot, Schedule 40 PVC screen
9			5 6 7			
10						
11			10 10 10			
12			8 9 10			
13					Sand content increases to 90% at 13 feet	2" diameter, Schedule 40 PVC endcap
					Bottom of boring at 13.5 feet	
14						
15						

OAKWELLV (REV. 9/2007)

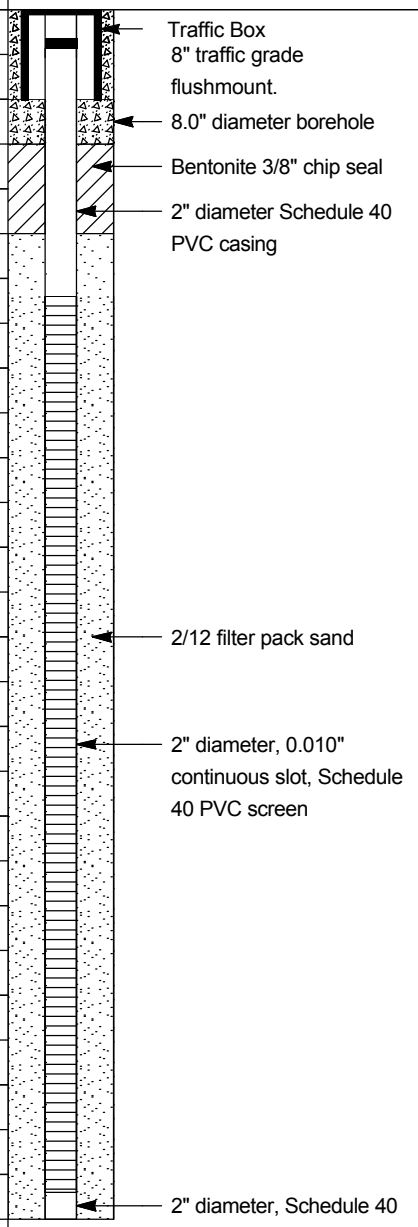
PROJECT: Kelly Moore Paint Company, Data Gaps Investigation
Georgetown, Seattle, WA

Log of Well No. KMW-05

BORING LOCATION: Former UST Area	GROUND SURFACE ELEVATION AND DATUM: Ground surface		
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/17/11		DATE FINISHED: 3/17/11
DRILLING METHOD: Hollow-stem auger	TOTAL DEPTH (ft.): 13.5		SCREEN INTERVAL (ft.): 3.28-12.74
DRILLING EQUIPMENT: Limited Access Rig	DEPTH TO WATER: FIRST 4	COMPL. NA	CASING: 2" Sched. 40 PVC
SAMPLING METHOD: Split-spoon drive sampler [18" x 2"]	LOGGED BY: S. Mikelich		
HAMMER WEIGHT: 140 lbs / DROP: 30"	RESPONSIBLE PROFESSIONAL: N. Bacher		REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ Foot	OVM Reading	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.
					Surface Elevation: 18.88
0					CONCRETE FLOOR
1					SILTY SAND with GRAVEL (SM): dark grayish brown (2.5Y 4/2), moist, 70% fine to coarse sand, 20% non-plastic fines, 10% fine to coarse gravel
2	KMW-05-0311-2		30 17 30	0.0	
3	KMW-05-0311-3.5		17 15 12	0.0	lense of burned material, mostly wood
4					wet
5			8 6 6	0.0	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines
6			12 12 18	0.0	
7					
8			18 20 24	0.0	
9			13 18 40	0.0	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 5% fine gravel, 5% non-plastic fines
10					
11			7 12 30	0.0	Red staining (FeOx)
12					Cannot sample borehole deeper due to flowing sands.
13					Bottom of boring at 13.5 feet
14					
15					

WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS



OAKWELLV (REV. 9/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-6**
BORING LOCATION: Building 10 loading dock	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				23	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-6-0809-2				POORLY GRADED SAND (SP): dark grayish brown (10YR 4/2), damp, 95% fine to coarse sand, 5% fines, some Iron oxide staining on coarse grained sediment	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				144		
3				688		
4	KM-6-0809-4				very dark gray (10YR 3/1)	
5				595		
6				158	wet	
7				25		
8						Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-6-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-7**
BORING LOCATION: Building 10	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-7-0809-2			1119	SILT with SAND (ML): black (N 2.5/), moist, 80% fines, 20% fine sand, low plasticity, charcoal-like appearance	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				1073	POORLY GRADED SAND (SP): black (N 2.5/), moist, 85% fine to coarse sand, 10% fine and coarse gravel, 5% non-plastic fines	
3				28		
4					rusty colored weathering	
5				512	WELL GRADED SAND with SILT (SW-SM): dark gray (10YR 4/1), moist, 90% fine to coarse sand, 10% low-plasticity fines	
6				47		
7	KM-7-0809-7			293		
8				398	wet	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-7-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-8**
BORING LOCATION: Building 10	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					Concrete	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-8-0809-2			0	SILT with SAND (ML): black (N 2.5/), moist, 80% fines, 20% fine sand, low plasticity, burned charcoal like appearance	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0		
3				0		
4				321		
5				1327	WELL GRADED SAND (SW): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	
6				1859		
7	KM-8-0809-7			1241		
8				1237	▼ wet, petroleum-like sheen	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-8-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-9**
BORING LOCATION: Building 8 West	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/5/09 / DATE FINISHED: 8/5/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 90% fine to coarse sand, 5% fine gravel, 5% non-plastic fines	Boring cored from 0 to 0.5 feet bgs using a concrete corer. OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
1	KM-9-0809-2			0		
2						
3						
4						
5				0		
6				12		
7	KM-9-0809-7				▼ wet, slight yellowish staining, slight sheen on soil, moderate odor	
8				14		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-8-0809-W collected.
9						
10				15		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-10**
BORING LOCATION: Building 7	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-10-0809-2			348 1040	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 85% fine to coarse sand, 10% fine and coarse gravel, 5% non-plastic fines, wood fragments in shoe	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2					POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines, contains wood debris	
3				564		
4				167		
5	KM-10-0809-5.5			171		
6				380		
7				175		
8				422	▼ wet, dark gray	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-10-0809-W collected.
9				412 22		
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-11**
BORING LOCATION: Building 7	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-11-0809-2.5			0	POORLY GRADED SAND (SP): brown (10YR 5/3), moist, 95% fine to coarse sand, 5% non-plastic fines 90% fine to coarse sand, 5% fine and coarse gravel, 5% non-plastic fines, possibly burnt debris, charcoal-like streak	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	
4				0		
5				0		
6				0		
7	KM-11-0809-7			0		
8				0	wet	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-11-0809-W collected.
9						
10				0	rusty colored weathering	Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-12**
BORING LOCATION: Building 9 loading dock	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/7/09 / DATE FINISHED: 8/7/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 5.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-12-0809-2			0	POORLY GRADED SAND (SP): very dark grayish brown (10YR 4/2), moist, 95% fine to coarse sand, 5% non-plastic fines	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0	moist, yellowish brown (10YR 5/4), some iron oxide staining on coarse grained sediment	
4						
5	KM-12-0809-5			0		
					wet	
6				11.3	fine well graded sand	
7				0	dark gray (10YR 4/1)	
8				0		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-12-0809-W collected.
9				0		
10				0		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-13**
BORING LOCATION: Building 12	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 2.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) — FIRST: NA / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-13-0809-2				POORLY GRADED SAND with GRAVEL (SP): brown (10YR 4/3), moist, 80% fine to coarse sand, 15% fine and coarse gravel, 5% non-plastic fines	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0	Boring refusal at 2.0 feet, due to concrete.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
3						
4						
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OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-14**
BORING LOCATION: Building 5A	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-14-0809-2			0	POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 85% fine to coarse sand, 10% fine angular gravel, 5% non-plastic fines, some iron oxide staining on coarse grained sediments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2				0		
3				0		
4					Fill, crushed concrete, dry, dusty with rounded fine gravel	
5						
6	KM-14-0809-7			6.8	SILTY SAND with GRAVEL (SM): very dark gray (10YR 3/1), moist, 70% fine to coarse sand, 15% fine and coarse gravel, 15% low plasticity fines	
7				20	wet, 20% fine and coarse gravel, trace wood debris	
8				45	SILTY SAND (SM): very dark gray (10YR 3/1), wet, 85% fine to coarse sand, 15% low plasticity fines, visible sheen	Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-14-0809-W collected.
9				206		
10				82		Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-15**
BORING LOCATION: Building 5	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 7.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black (N 2.5/), moist, 55% fine to coarse sand, 35% fine and coarse gravel, 10% non-plastic fines, contains burnt material	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0		
4	KM-15-0809-4					
5				0	POORLY GRADED SAND (SP): dark gray (10YR 4/1), moist, 95% fine sand, 5% non-plastic fines	
6	KM-15-0809-6.5				wood chips and sawdust SANDY SILT (ML): gray (5G 5/1), moist, 65% fines, 30% fine sand, 5% fine gravel, low plasticity	
7				0	POORLY GRADED SAND (SP): dark grayish brown (10YR 4/2), wet, 95% fine to coarse sand, 5% non-plastic fines, some iron oxide staining on coarse grained sediments	
8						Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-15-0809-W collected.
9						
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-16**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/6/09 / DATE FINISHED: 8/6/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 10.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 9.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Recovery	SAMPLES: Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0	POORLY GRADED SAND with GRAVEL (SP): black (N 2.5/), moist, 75% medium to coarse sand, 20% fine gravel, 5% non-plastic fines, contains burnt brick fragments, some iron oxide staining on coarse grained sediments	OVM=PhotoVAC 2020 PID calibrated with 100 ppm Isobutylene standard.
2						
3				0		
4	KM-16-0809-4					
5						
6				0		
7					WELL GRADED SAND (SW): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines, trace rusty weathering	
8	KM-16-0809-8			0		Hydropunch II driven from 10 to 14'. Sleeve retracted 4 feet to expose screen from 10 to 14'. Sample KM-16-0809-W collected.
9					▼ wet	
10						Boring not logged from 10-14'.
11						
12						
13						
14					Bottom of boring at 14.0 feet.	Borehole destroyed using bentonite chips placed from ground surface, and hydrated with water.
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-17**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
1	KM-17-2.0-1209			0/0 (HS)	POORLY GRADED GRAVEL with SILT and SAND (GP-GM): very dark gray (10YR 3/1), moist, 60% fine gravel, 30% fine to coarse sand, 10% non-plastic fines crushed rock	
2					POORLY GRADED SAND (SP): dark brown (10YR 3/3), moist, 95% fine to coarse sand, 5% non-plastic fines	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3						
4				0		
5				0/0 (HS)		
6	KM-17-8.0-1209			0		
7						
8				0	wet	Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-17-W-1209 collected.
9				0/0 (HS)		
10				0		
11						
12					Bottom of boring at 12.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
13						
14						
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-18**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Power Probe 9630 Pro-D	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0	KM-18-4-1209			0	POORLY GRADED GRAVEL with SAND (GP): black (10YR 2/1), moist, 60% fine gravel, 35% fine to coarse sand, 5% non-plastic fines	
1				1.1/0.0 (HS)	blackened slag	
2				1.2	POORLY GRADED SAND (SP): very dark gray (10YR 3/1), moist, 95% fine to medium sand, 5% non-plastic fines	OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3						
4				1.3		
5				2.2/0.1 (HS)	small wood piece, light sheen and odor	
6				1.9		
7						
8				0	wet	Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-18-W-1209 collected.
9						
10				0/0 (HS)		
11				0		
12					Bottom of boring at 12.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
13						
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-19**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 420M	DEPTH TO WATER (ft.) FIRST: 7.5 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
1				1.1	POORLY GRADED SAND with GRAVEL (SP): very dark brown (10YR 2/2), moist, 80% fine to coarse sand, 15% fine gravel, 5% non-plastic fines	
				2.4/10.2 (HS)		
2						OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3	KM-19-4-1209				SILT with SAND (ML): gray (N 5/), moist, 80% low plasticity fines, 20% fine sand, medium stiff, orange mottling, sand interbedded	
4				31.1/52.1 (HS)		
5						
6	KM-19-6.5-1209				POORLY GRADED SAND (SP): black (10YR 2/1), moist, 95% fine to coarse sand, 5% non-plastic fines, strong VOC-like odor	
				131		
7				277/335 (HS)		
8					wet	Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-19-W-1209 collected.
9					Bottom of boring at 9.0 feet bgs. Borehole abandoned with hydrated bentonite chips.	
10						
11						
12						
13						
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-20**
BORING LOCATION: Building 3	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 420M	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

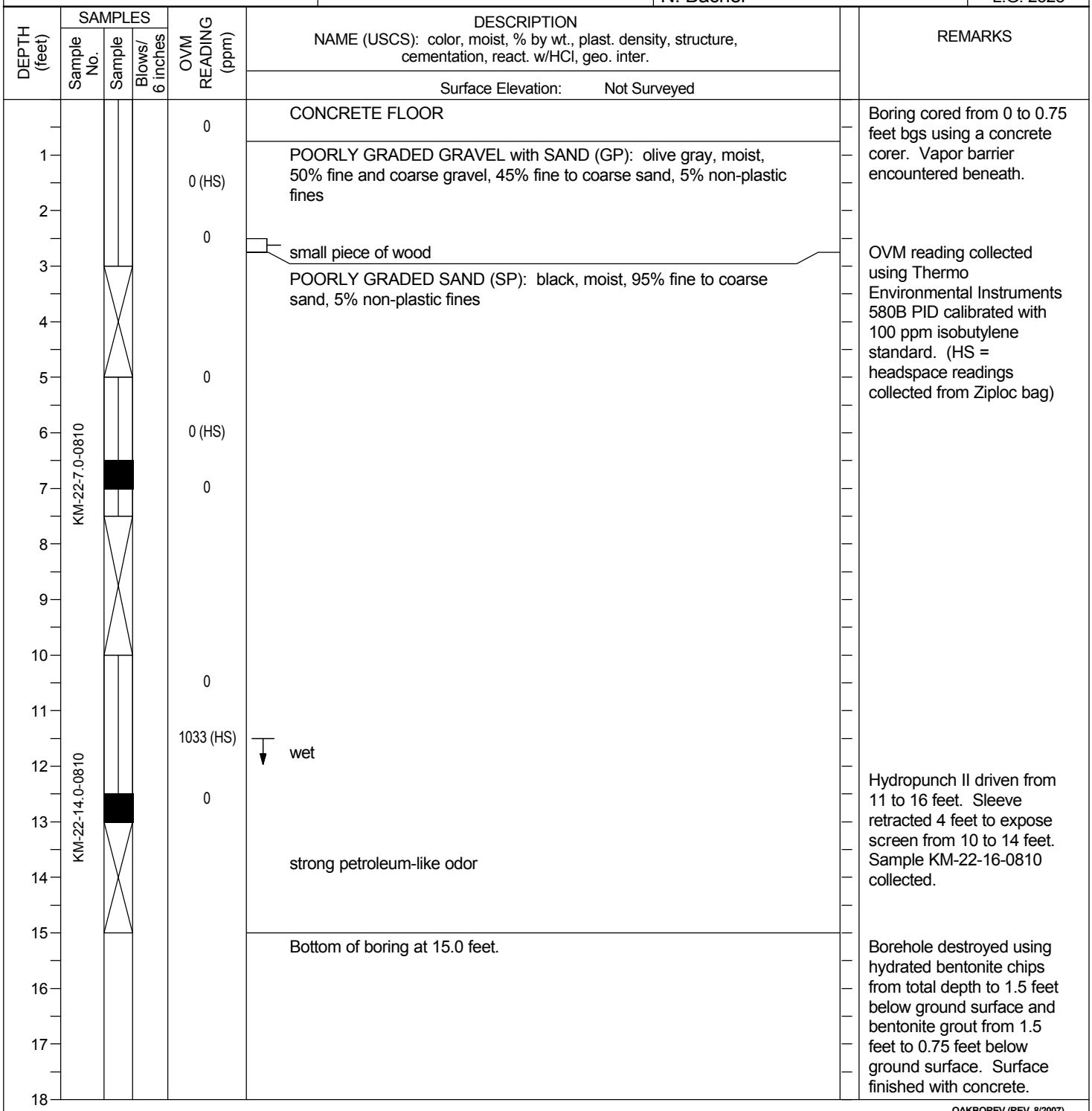
DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0	KM-20-3-1209			0	POORLY GRADED SAND with GRAVEL (SP): very dark brown (10YR 2/2), moist, 75% fine to coarse sand, 20% fine and coarse gravel, 5% non-plastic fines, trace pieces of slag	
1				2.1/0 (HS)		
2						OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3				0.4	SILT (ML): gray (10YR 5/1), moist, 90% fines, 10% fine sand, low plasticity, medium stiff, orange mottling	
4				0.0/0.6 (HS)		
5					POORLY GRADED SAND (SP): dark reddish brown (5YR 2.5/2), moist, 95% fine to coarse sand, 5% non-plastic fines	
6	KM-20-7-1209			0		
7				0/0 (HS)		
8					black (5YR 2.5/1), wet	Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-20-W-1209 collected.
9						
10				0/0 (HS)	scattered fine gravel <5%	
11						
12					Bottom of boring at 12.0 feet. Borehole abandoned with hydrated bentonite chips.	
13						
14						
15						

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-21**
BORING LOCATION: Building 4	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 12/23/09 / DATE FINISHED: 12/23/09
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 9.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 420M	DEPTH TO WATER (ft.) FIRST: 8.0 / COMPL.: NA
SAMPLING METHOD: Enviro-core sampling system [3' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Gray / REG. NO.: L.G. 2557

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
1	KM-21-3-1209			0	POORLY GRADED SAND with GRAVEL (SP): black (N 2.5/), moist, 65% fine to coarse sand, 30% fine gravel, 5% non-plastic fines, trace glassy fragments	
2						OVM= Photovac 2020i PID calibrated with 100 ppm isobutylene standard. Headspace (HS) readings collected in baggie.
3					orange staining	
4				0/0 (HS)	SILT (ML): gray (N 5/), moist, 95% fines, 5% fine sand, trace fine gravel, low plasticity, medium stiff, orange mottling, black streaking	
5						
6				0		
7	KM-21-7-1209				POORLY GRADED SAND (SP): very dark gray (N 3/), moist, 95% fine to coarse sand, 5% non-plastic fines, slight orange staining	
8				0/0 (HS)		Stainless steel hydropunch sampler (0.010 slot) driven from 7.5 to 11.5'. Sleeve retracted 4 feet to expose screen from 7.5 to 11.5'. Groundwater sample KM-21-W-1209 collected.
9					Bottom of boring at 9.0 feet. Borehole abandoned with hydrated bentonite chips.	
10						
11						
12						
13						
14						
15						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-22**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528



OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-23**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED GRAVEL with SILT and SAND (GP-GM): olive gray, dry, 50% fine and coarse gravel, 40% medium to coarse sand, 10% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4						
5						
6				0	crushed yellow brick	
				0 (HS)	silty sand with blackened, burned appearance	
7	KM-23-9-0810				SANDY SILT with fine GRAVEL (ML), contains red brick pieces	
8				0	POORLY GRADED SAND (SP): black, moist, 95% fine to medium sand, 5% non-plastic fines	
9						
10	KM-23-11-0810					
11				0		
				1.0 (HS)	wet	
12						Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-23-16-0810 collected.
13				0		
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-24**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1					POORLY GRADED GRAVEL with SILT and SAND (GP-GM): light brown, moist, 50% fine and coarse gravel, 40% fine to coarse sand, 10% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					POORLY GRADED SAND with GRAVEL (SP): black, moist, 65% fine to coarse sand, 30% fine and coarse gravel, 5% non-plastic fines, contains brick and coal with burnt appearance, small red brick pieces at base of unit	
7	KM-24-7.5-0810					
8					POORLY GRADED SAND (SP): very dark brown, moist, 95% fine to medium sand, 5% non-plastic fines	
9						
10	KM-24-11-0810					
11						
12					▼ wet, reddish brown	
13						
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-25**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1					POORLY GRADED SAND with GRAVEL (SP): brown, moist, 60% fine to coarse sand, 35% fine and coarse gravel, 5% non-plastic fines	
2				0	POORLY GRADED SAND with GRAVEL (SP): gray, moist, 55% fine to coarse sand, 35% fine and coarse gravel, 10% non-plastic fines	OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.
3						
4						
5					black, burned appearance	Obstruction encountered, sampler bent. No upper soil sample collected due to poor recovery.
6						
7						
8						
9						
10	KM-25-11-0810				POORLY GRADED GRAVEL (SP): black, moist, 95% fine to coarse sand, 5% non-plastic fines, slight burned appearance	
11					wet	
12						Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-25-16-0810 collected.
13						
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-26**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/23/10 / DATE FINISHED: 8/23/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1					POORLY GRADED GRAVEL with SAND (GP): brown, moist, 60% fine and coarse gravel, 35% fine to coarse sand, 5% non-plastic fines	
2				0 (HS)		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4						
5				0		
6					SILTY SAND (SM): black, moist, 75% fine to coarse sand, 15% non-plastic fines, 10% fine and coarse gravel, contains wood fragments	
7					brick fragment (burned appearance)	
8	KM-26-8.5-0810			0 (HS)	POORLY GRADED SAND (SP): very dark reddish brown, moist, 95% fine to coarse sand, 5% non-plastic fines	
9						
10				0		
11	KM-26-11.5-0810				reddish mottling	
12					wet, black	
13				0		
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

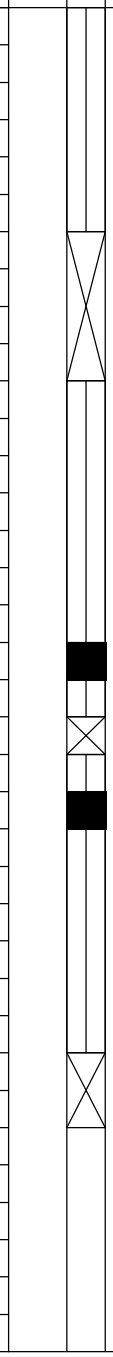
OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-27**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/24/10 / DATE FINISHED: 8/24/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED SAND with GRAVEL (SP): brownish gray, dry, 60% fine to coarse sand, 35% fine and coarse gravel, 5% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4						
5				0		
6						
7				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black, moist, 75% fine to coarse sand, 15% fine and coarse gravel, 10% non-plastic fines	
8					POORLY GRADED SAND (SP): black, moist, 95% fine to coarse sand, 5% non-plastic fines	
9						
10				0		
11						
12					wet, sand grading from medium to coarse	
13				0	orange mottling	Hydropunch II driven from 11 to 16 feet. Sleeve retracted 4 feet to expose screen from 10 to 14 feet. Sample KM-27-16-0810 collected.
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

OAKBOREV (REV. 8/2007)

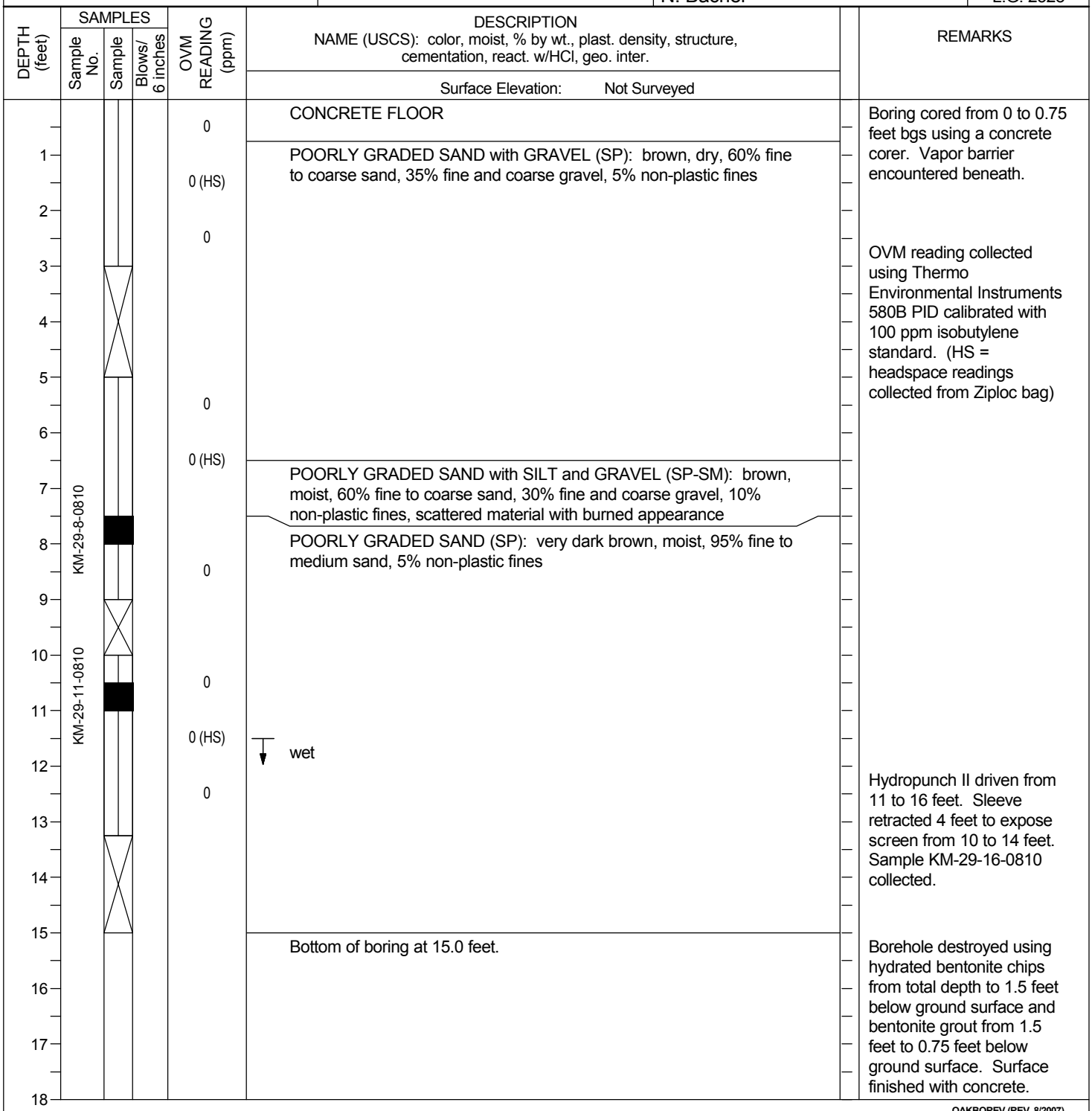
PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-28**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/24/10 / DATE FINISHED: 8/24/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528



DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0	CONCRETE FLOOR	Boring cored from 0 to 0.75 feet bgs using a concrete corer. Vapor barrier encountered beneath.
1				0 (HS)	POORLY GRADED SAND with GRAVEL (SP): brown, dry, 65% fine to coarse sand, 30% fine and coarse gravel, 5% non-plastic fines	
2				0		
3						OVM reading collected using Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. (HS = headspace readings collected from Ziploc bag)
4						
5				0		
6				0 (HS)		
7				0	POORLY GRADED SAND with SILT and GRAVEL (SP-SM): black, moist, 75% fine to coarse sand, 15% fine and coarse gravel, 10% non-plastic fines, brick fragments	
8					POORLY GRADED SAND (SP): very dark brown, moist, 95% fine to coarse sand, 5% non-plastic fines	
9				0		
10				0		
11				0 (HS)	wet	
12				0		
13				0		
14						
15					Bottom of boring at 15.0 feet.	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly-Moore Paint Company Georgetown, Seattle, WA	**Log of Boring No. KM-29**
BORING LOCATION: South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 8/24/10 / DATE FINISHED: 8/24/10
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 15.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 7730D	DEPTH TO WATER (ft.) FIRST: 11.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [5' x 1.5"]	LOGGED BY: C. Brown
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO. L.G. 2528



OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-30**	
BORING LOCATION: Inside Building 5	ELEVATION AND DATUM: Not Surveyed; datum is ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/23/11	DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.25	COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	Sample	Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION: NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				7.0	WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (GLEY 1 3/1), dry, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines, strong odor	
2	KM-30-0311-2			310		
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry, 90% fine to coarse sand, 10% non-plastic fines, scattered material with burned appearance, wood debris, odor	
5	KM-30-0311-5			134	wet	
6					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, slight odor	
7				32.1		
8						
9				21.2		
10						Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				13.6		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-30-0311-W collected.
14						
15						
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-31**
BORING LOCATION: Inside Building 3	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/22/11 / DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0.6	WELL GRADED SAND with SILT and GRAVEL (SW-SM): black (2.5Y 2.5/1), moist, 50% fine to coarse sand, 40% fine to coarse gravel, 10% non-plastic fines	
2	KM-31-0311-3					
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	
5				0.0	⊥ wet	
6				0.0		
7						
8						
9				0.0		
10						Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				0.0		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-31-0311-W collected.
14						
15						
16						
17						
18						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-32**	
BORING LOCATION: Inside Building 4	ELEVATION AND DATUM: Not Surveyed; datum is ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/22/11	DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 4.0	COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1				0.0	WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (GLEY 1 3/1), dry, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines	
2	KM-32-0311-3					
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry, 90% fine to coarse sand, 10% non-plastic fines, scattered material with burned appearance, wood debris	
5				0.0		
6					▼ wet POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines	Poor recovery from 0'-4' and 4'-8' due to fill debris and wood scraps.
7						
8						
9				0.0		
10						Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11						
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-32-0311-W collected.
14						
15						
16						
17						
18						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-33**
BORING LOCATION: Inside Building 7	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/22/11 / DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 4.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR and cobbles	Boring cored from 0 to 3.8 feet bgs using a concrete corer.
4	KM-33-0311-4			548	SILTY SAND with GRAVEL (SM): black (2.5Y 2.5/1), moist, 60% fine to coarse sand, 20% fine to medium gravel, 20% slightly plastic fines, odor	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
5					wet	
6				528	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, strong odor	
10				486		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				42.9		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-33-0311-W collected.
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-34**
BORING LOCATION: Former UST Area	ELEVATION AND DATUM: Not Surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/21/11 / DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 4.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0				0.0		
1				0.0	SILTY GRAVEL with SAND (GM): olive brown (2.5Y 4/3), moist to wet, 50% very fine to coarse gravel, 30% fine to coarse sand, 20% non-plastic fines	
2	KM-34-0311-2					
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4	KM-34-0311-4			0.0		
5					wet	
6				0.0		
7					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 4/3), wet, 90% fine to coarse sand, 10% non-plastic fines	
8						
9				0.0		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with gravel.
10						
11				0.0		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-34-0311-W collected.
14						
15						
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-35**
BORING LOCATION: Inside South Warehouse	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/22/11 / DATE FINISHED: 3/22/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 7.5 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR	Boring cored from 0 to 1.5 feet bgs using a concrete corer. Vapor barrier encountered at 0.5' beneath floor with cobbles and gravel to 1.5'.
2	KM-35-0311-2			0.0	WELL GRADED GRAVEL with SILT and SAND (GW-GM): grayish brown (2.5Y 5/2), moist, 60% fine to coarse gravel, 30% fine to coarse sand, 10% non-plastic fines,	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4				0.0		
6	KM-35-0311-6.5			13.7	Scattered material with burned appearance	
7				60.1	wet	
8					POORLY GRADED SAND with SILT (SP-SM): very dark brown, (2.5Y 2.5/1), wet, 90% fine to medium sand, 10% non-plastic fines	
10				20.0		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
12				35.8		
14				15.0		Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 7 to 12 feet. Sample KM-35-0311-W collected.
16				0.0		
16					Bottom of boring at 16.0 feet; cannot drill deeper due to flowing sands	
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-36**
BORING LOCATION: Parking Lot	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/21/11 / DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					ASPHALT	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1					WELL GRADED GRAVEL with SILT and SAND (GW-GM): very dark gray (5Y 3/1), moist, 50% fine to coarse gravel, 40% fine to coarse sand, 10% non-plastic fines, odor	
2	KM-36-0311-2			145	Thin lense composed of organics and wood debris	
3					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, odor.	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4						
5	KM-36-0311-6			266		
6					wet	
7				1944		
8						
9				1848		
10						Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				17		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-30-0311-W collected.
13						
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OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-37**
BORING LOCATION: Parking Lot	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/21/11 / DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					ASPHALT	
1					WELL GRADED GRAVEL with SAND (GW): very dark greenish gray (GLEY 1 3/5GY), moist, 55% fine to coarse gravel, 45% fine and coarse sand	
2	KM-37-0311-2			29.8	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist, 90% fine to medium sand, 10% non-plastic fines	
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to course sand, 10% non-plastic fines, strong odor	
5	KM-37-0311-5			165.8		
6				1354	▼ wet	
7						
8						
9						
10				1411		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with asphalt.
11						
12				641.5	Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 4 to 9 feet. Sample KM-37-0311-W collected.
14						
15						
16						
17						
18						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-38**	
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/23/11	DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 540M (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.5	COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: S. Mikelich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-38-0311-2			0.0	POORLY GRADED SAND (SP): olive brown (2.5Y 4/3), moist, 90% fine to coarse sand, 5% non-plastic fines, 5% fine to course gravel	
2					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines	
3				0.0		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4				0.0		
5	KM-38-0311-5					
6					wet	
7				0.6		
8				381		
9					very strong odor	
10				20.3		
11				69.4		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
12				811	very strong odor	
13					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
14						
15						
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-39**
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/24/11 / DATE FINISHED: 3/24/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.3 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					Scale pit- no recovery	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
2	KM-39-0311-2.5 KM-39-0311-2.5-D				Pit bottom: layers of old resins and paint.	
3				1972	Scattered wood and burned debris	Duplicate soil sample taken at 2.5 feet
4	KM-39-0311-5			1144	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), dry to wet, 90% fine to coarse sand, 10% non-plastic fines, strong odor	
5					wet	
6				1283		
8				1504		
9						Borehole destroyed using hydrated bentonite chips from total depth to 3 feet below ground surface and sand from 3 to 2 feet below ground surface.
10				1367		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-39-0311-W collected.
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-40**
BORING LOCATION: Inside Building 10	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/21/11 / DATE FINISHED: 3/21/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 6.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0				28.6	CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1	KM-40-0311-2				POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to medium sand, 10% non-plastic fines, odor	
2				314		
3						OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4	KM-40-0311-4.5					
5				1157		
6					▼ wet	
7				1596	POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), wet, 90% fine to coarse sand, 10% non-plastic fines, very strong odor	
8						
9				583		
10				1308		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
11				1698		
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						
14						
15						
16						
17						
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-41**
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/24/11 / DATE FINISHED: 3/24/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 4.8 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					Scale pit- no recovery	
3	KM-41-0311-3			1362	SILTY SAND with GRAVEL (SM): yellowish brown (10YR 5/4), moist, 45% fine to coarse sand, 40% fine to course gravel, 15% non-plastic fines, paint chips, odor	OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4	KM-41-0311-W			1957	black (10YR 2/1), burned lense, chared wood and debris	
5				1600	wet POORLY GRADED SAND (SP): black (2.5Y 2.5/1), moist to wet, 90% fine to course sand, 10% non-plastic fines, odor	
8				1707		
10				1679		Borehole destroyed using hydrated bentonite chips from total depth to 3.5 feet below ground surface and sand from 3.5 to 2.7 feet below ground surface.
11					Bottom of boring at 11.0 feet; cannot drill deeper due to flowing sands	
13						Disposable 3/4" diameter Schedule 40 PVC, 5 foot screen driven from 5 to 10 feet. Sample KM-41-0311-W collected.
18						

OAKBOREV (REV. 8/2007)

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-42**
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/24/11 / DATE FINISHED: 3/24/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 12.0 / MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.0 / COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"]	LOGGED BY: S. Mikelich
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher / REG. NO.: L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
					Surface Elevation: Not Surveyed	
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer.
1					SANDY SILT with GRAVEL (SM): greenish gray (GLEY 1 4/10Y), moist, 45% fine to medium sand, 40% fine to course gravel, 15% non-plastic fines, odor	
2	KM-42-0311-2			715	SAND and SILT (SA-SJ): black (10YR 2/1), moist, 50% fine sand, 50% non-plastic fines, odor	
3				2421		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4					POORLY GRADED SAND with SILT (SP-SM): black (2.5Y 2.5/1), moist to wet, 90% fine to coarse sand, 10% non-plastic fines, odor	
5	KM-42-0311-5			2704	▼ wet	
6				373		
7						
8						
9				374		
10				958		
11				626		Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
12					Bottom of boring at 12.0 feet; cannot drill deeper due to flowing sands	
13						
14						
15						
16						
17						
18						

PROJECT: Kelly Moore Paint Company, Data Gaps Investigation Georgetown, Seattle, WA	**Log of Boring No. KM-43**	
BORING LOCATION: Inside Building 8	ELEVATION AND DATUM: Not surveyed; datum is ground surface	
DRILLING CONTRACTOR: Cascade Drilling, Inc.	DATE STARTED: 3/23/11	DATE FINISHED: 3/23/11
DRILLING METHOD: Direct push	TOTAL DEPTH (ft.): 7.0	MEASURING POINT: Ground surface
DRILLING EQUIPMENT: Geoprobe 5400 (Limited Access Rig)	DEPTH TO WATER (ft.) FIRST: 5.5	COMPL.: NA
SAMPLING METHOD: Geoprobe macro-core sampler [3' x 1.5"]	LOGGED BY: S. Mikelich	
HAMMER WEIGHT: NA / DROP: NA	RESPONSIBLE PROFESSIONAL: N. Bacher	REG. NO. L.G. 2528

DEPTH (feet)	SAMPLES: Sample No.	SAMPLES: Sample	SAMPLES: Blows/ 6 inches	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation: Not Surveyed	REMARKS
0					CONCRETE FLOOR	Boring cored from 0 to 0.5 feet bgs using a concrete corer. Very poor recovery.
1	KM-43-0311-2				POORLY GRADED GRAVEL with SILT and SAND (GP-GM): light olive brown (2.5Y 5/3), dry, 50% fine gravel, 40% fine to coarse sand, 10% non-plastic fines	
2				0.0		
3				72.8		OVM reading collected using a RAE Systems MiniRAE 3000 PID calibrated with 100 ppm isobutylene standard.
4						
5						
6					▼ wet SAND and SILT (SA-SJ): black (2.5Y 2.5/1), moist to wet, 50% fine sand, 50% non-plastic fines, strong odor	
7				567	Refusal at 7.0 feet	Borehole destroyed using hydrated bentonite chips from total depth to 1.5 feet below ground surface and bentonite grout from 1.5 feet to 0.75 feet below ground surface. Surface finished with concrete.
8						
9						
10						
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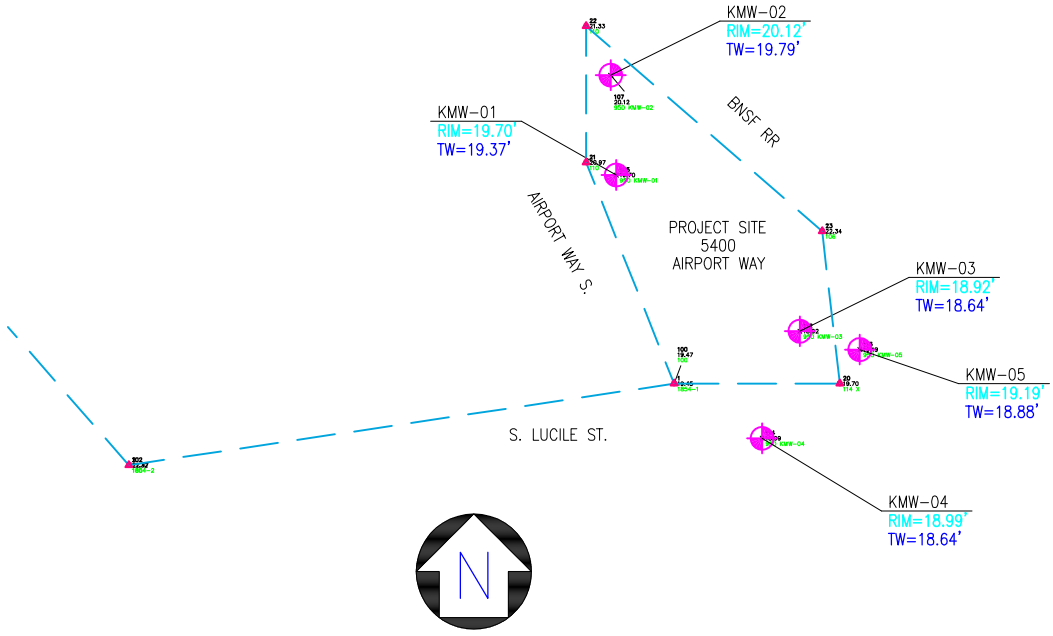
18						

5400 AIRPORT WAY, SEATTLE WASHINGTON
MONITOR WELL SURVEY



SCALE 1"=200'

HORIZONTAL DATUM – WELL COORDINATES PUBLISHED IN THE TABLES ARE WASHINGTON COORDINATE SYSTEM, NORTH ZONE NAD 83(91), US FEET.

VERTICAL DATUM – ELEVATIONS SHOWN HEREON ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988, NAVD88.

MONITOR WELLS LOCATED MAY 12, 2011

* – TO CONVERT ELEVATIONS SHOWN HEREON TO NGVD29 ELEVATIONS, PLEASE SUBTRACT 3.59' FEET.

MONITOR WELL NO.	STAMPED	NORTH	EAST	RIM ELEV. OF CASE	TOP OF WELL ELEV.
KMW-01		205,697.8	1,272,963.2	19.70	19.37
KMW-02		205,801.8	1,272,957.4	20.12	19.79
KMW-03		205,535.1	1,273,154.5	18.92	18.64
KMW-04		205,423.6	1,273,115.1	18.99	18.64
KMW-05		205,516.0	1,273,217.0	19.19	18.88

DUANE HARTMAN & ASSOCIATES, INC.
Surveyors
16928 WOODINVILLE-REDMOND ROAD, B-107 (425) 483-5355
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SURVEY FOR
AMEX GEOMATRIX INC.

CHECKED BY: DAH DATE: 05.13.2011
DRAWING NAME: 5400 MW.dwg
DRAWN BY: AAC DATE: 05.13.2011 PAGE 1 OF 1

APPENDIX C

Photograph of the Vapor Barrier Installation

APPENDIX C

PHOTOGRAPH OF VAPOR BARRIER INSTALLATION

PSC Georgetown Facility
Seattle, Washington

Photograph 1 Vapor Barrier Installation

APPENDIX D

Analytical Data and Data Review

Memo

To:	Natasya Gray	Project:	0146970040.00001
From:	Crystal Neirby	cc:	Project File
Date:	May 10, 2011		

Subject: Kelly Moore Paints – Soil and Groundwater Sampling – March 2011 Summary Data Quality Review – SDGs 1103-178, 1103-194, 1103-202, 1103-217, 1103-229, and 1103-260

This memorandum presents a summary data quality review for analyses of 15 primary groundwater samples, two groundwater field duplicates, 27 primary soil samples, one soil field duplicate, one rinsate blank, and four trip blanks collected March 18 through 28, 2011. The samples were submitted to OnSite Environmental Inc. (OnSite), a laboratory located in Redmond Washington, and accredited by the Washington State Department of Ecology (Ecology). The soil and groundwater samples were analyzed for the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Ecology Method NWTPH-G;
- Benzene, ethylbenzene, toluene, and xylenes (BTEX) by EPA Method 8021;
- Volatile organic compounds (VOCs) by EPA Method 8260B;
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 with selective ion monitoring (SIM);
- Total metals (arsenic, chromium, and lead) by EPA Method 200.8 (water samples only); and
- Polychlorinated biphenyls (PCBs) by EPA Method 8082.

The samples collected, the laboratory sample ID, and matrix as well as a summary of qualifiers added to the results from this data quality review are presented in Table 1 (attached).

The analytical results for these samples were reviewed in accordance with the requirements specified in USEPA National Functional Guidelines (EPA, 2010 and 2008), the analytical methods referenced by the laboratory, AMEC data review procedures, the quality assurance project plan (AMEC, 2010), and the laboratory quality control limits. The EPA guidelines referenced above were written specifically for the Contract Laboratory Program, and have been modified for the purposes of this data quality review where they differ from EPA SW-846 method requirements.

The certified laboratory reports were reviewed to assess the following: chain of custody compliance; holding time compliance; presence or absence of laboratory contamination as demonstrated by method and trip blanks; blank spike samples (BS) and blank spike duplicates (BSD), and matrix spike (MS) and matrix spike duplicate (MSD) samples; analytical precision as the relative percent (%) difference between replicate sample results (i.e., laboratory and field

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duplicates) or MS and MSD samples. This data quality review did not include validation of the raw analytical data.

Samples were submitted to OnSite either the day of collection, or the day after collection. The cooler temperatures were recorded upon receipt and were below the maximum acceptable temperature of 6°C. The following was noted by the laboratory upon receipt.

SDG 1103-194: Sample KM-36-0311-6 was labeled KM-36-0311-6.5 on the chain-of-custody (COC). Sample KM-37-0311-2 was labeled differently on the jars as well. After confirmation with AMEC the laboratory labeled the samples according the COC and proceeded with analysis.

SDG 1103-217: Sample KM-30-0311-S was mislabeled on one VOC vial. After confirmation with AMEC, the laboratory labeled the sample according to the COC and proceeded with analysis.

Soil samples analyzed for TPH as gasoline, BTEX, and VOCs were collected according to EPA Method 5035A. As indicated by the laboratory, the samples were submitted in preweighed 40-milliliter (mL) vials within 48 hours of collection and stored frozen until extraction or analysis.

Samples were analyzed for the methods identified in the introduction to this report and were evaluated for the following criteria.

1. Holding Times – Acceptable
2. Blanks – Acceptable except as noted:

   A trip blank was not submitted with soil samples associated with SDGs 1103-178 and 1103-194 and analyzed for TPH gasoline, BTEX, or VOCs as stated in the method and in the project QAPP. The sample results were not qualified. The remaining trip blanks were free of contamination with the following exceptions.

   VOCs by EPA 8260B: Chloroform, bromodichloromethane, and dibromochloromethane were detected in the trip blanks associated with SDGs 1103-202 and 1103-217 at concentrations ranging from of 0.21 to 0.97 µg/L and methylene chloride was detected in the trip blanks associated with SDGs 1103-229 and 1103-260 at a concentrations of 4.6 and 4.5 µg/L, respectively. The affected analytes were not detected in the associated samples; therefore, results are not affected and are not qualified.

   One rinsate blank was submitted with samples collected on March 24, 2011 and was analyzed for PCBs. The rinsate blank was free of contamination.
3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure. The BS results that were provided by the laboratory were within the laboratory control limits.

4. MS/MSD – Acceptable

   Extra volume was submitted with sample KM-39-0311-W associated with SDG 1103-229 for MS/MSD analysis. However, the laboratory did not perform MS/MSD analyses for VOCs, PAHs, or PCBs with this sample. The laboratory stated in the case narrative that the necessary dilution required for PAH analysis prevented them from reporting the MS/MSD results. An explanation was not provided for the remaining analyses.

   MS/MSD results performed with project samples and provided by the laboratory were within laboratory control limits.

5. Surrogates – Acceptable except as noted:

   Water PAHs by EPA 8270D-SIM: the recovery for surrogate 2-fluorobiphenyl in sample KM-37-0311-W was 37 percent, less than the control limits of 38 to 105 percent. Following the laboratory SOP, the sample was not reanalyzed. The results are qualified as estimated due to the possible low analytical bias, with detections flagged with a "J" and non-detects flagged with a "UJ".

   Water VOCs by EPA 8260B: the recovery for surrogate 4-bromofluorobenzene in samples KM-41-0311-W and KM-41-0311-W-D was 108 percent, greater than the control limits of 65 to 104 percent. The samples were not reanalyzed, following the laboratory SOP. The detected compounds in the sample were qualified as estimated due to the possible high analytical bias and flagged with a "J".

   Soil TPH-G by NWTPH-G: the surrogate, fluorobenzene, was not recovered in samples KM-30-0311-5 and KM-41-0311-4.5 due to the dilutions required to quantitate high analyte concentrations. The sample results are not qualified due to the necessary high dilutions.

   Soil PCBs by EPA 8082: the surrogate, decachlorobiphenyl, was not recovered in samples KM-41-0311-3 and KM-41-0311-4.5 due to the dilutions required to quantitate high analyte concentrations. The sample results are not qualified due to the necessary high dilutions.

   Soil PAHs by EPA 8270D-SIM: the recovery for surrogate 2-fluorobiphenyl in sample KM-41-0311-3 was 37 percent, less than the control limits of 43 to 109 percent. The sample was not analyzed, following the laboratory SOP. The results are qualified as estimated due to the possible low analytical bias, with detections flagged with a "J" and non-detects flagged with a "UJ".

6. Laboratory Duplicates – Acceptable

   Two groundwater field duplicates were collected during this sampling event, meeting the project frequency requirement of one duplicate for every 20 samples. Primary and duplicate results are summarized in the table below. The relative percent difference (RPD) is not calculated if the primary and duplicate results are not greater than five times the reporting limit, as indicated on the table below with "NC". The

field duplicate RPDs are within the project-specific control limit of 30 percent (50 percent for soils) for concentrations greater than five times the reporting limit, or ± the reporting limit for sample concentrations less than five times the reporting limit, with one exception. The difference in the naphthalene results for primary and duplicate pair KM-41-0311-W and KM-41-0311-W-D is greater than the value of the reporting limit. The naphthalene results in samples KM-41-0311-W and KM-41-0311-W-D are qualified as estimated and flagged with a "J".

Sample ID/ Field Duplicate ID	Analyte	Primary Result (µg/L)	Duplicate Result (µg/L)	RL (µg/L)	RPD (%)
KMW-03-0311/KM-03-0311-D	benzene	8.1	8.4	1.0	4
	ethylbenzene	3100	2700	2.0	14
	m,p-xylene	18	18	2.0	0
	TPH-G	7700	7000	2.0	10
KM-39-0311-2.5/KM-39-0311-2.5-D	benzene	0.53	0.47	0.063	12
	toluene	4.8	4.9	0.31	2
	ethylbenzene	26	20	0.31	26
	m,p-xylene	49	42	1.3	15
	TPH-G	4800	4900	130	2
	naphthalene	5.6	5.8	0.36	4
	2-methylnaphthalene	10	11	0.36	10
	1-methylnaphthalene	6.7	7.1	0.36	6
	acenaphthene	2.7	2.6	0.36	4
	fluorene	1.8	1.9	0.36	5
	phenanthrene	4.0	4.2	0.36	5
	anthracene	0.72	0.77	0.36	7
	fluoranthene	1.9	2.2	0.36	15
	pyrene	1.7	2.0	0.36	16
	benzo(a)anthracene	0.56	0.56	0.36	NC
	chrysene	0.77	0.76	0.36	NC
	benzo(b)anthracene	0.47	0.45	0.36	NC
	benzo(k)anthracene	0.40	ND	0.36	NC
	benzo(a)pyrene	0.40	0.42	0.36	NC
	aroclor 1260	0.15	0.19	0.055	NC

Sample ID/ Field Duplicate ID	Analyte	Primary Result (µg/L)	Duplicate Result (µg/L)	RL (µg/L)	RPD (%)
KM-41-0311-W/KM-41-0311-W-D	TPH-G	4400	5700	400	26
	benzene	23	23	0.40	0
	toluene	2.4	2.5	2.0	4
	ethylbenzene	9.6	9.9	0.40	3
	m,p-xylene	26	27	0.80	4
	o-xylene	9.1	9.2	0.40	1
	isopropylbenzene	24	24	0.40	0
	n-propylbenzene	30	30	0.40	0
	1,3,5-trimethylbenzene	1.3	1.3	0.40	0
	tert-butylbenzene	0.57	0.57	0.40	NC
	1,2,4-trimethylbenzene	6.0	6.1	0.40	2
	sec-butylbenzene	4.4	4.3	0.40	2
	p-isopropyltoluene	0.52	0.51	0.40	NC
	n-butylbenzene	4.8	5.0	0.40	4
	naphthalene	92	97	2.0	5
	naphthalene	27	42	9.5	**NC**
	2-methylnaphthalene	22	29	9.5	NC
	1-methylnaphthalene	18	23	9.5	NC
	arsenic	11	11	3.3	NC
	lead	60	66	1.1	10

Notes: NC = Not Calculated
Bolded values exceed the RPD criteria.

7. Reporting Limits and Laboratory Flags – Acceptable except as noted:

OVERALL ASSESSMENT OF DATA

The OnSite SDGs 1103-178, 1103-194, 1103-202, 1103-217, 1103-229, and 1103-260 is 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

EPA, 2008, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

EPA, 2010, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review: EPA 540-R-10-011, January.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Laboratory Sample ID/Matrix	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KMW-04-0311-2	1103-178-1 soil	none			
KMW-04-0311-4.5	1103-178-2 soil	none			
KMW-02-0311-5	1103-178-3 soil	none			
KM-34-0311-2	1103-194-1 soil	none			
KM-34-0311-4	1103-194-2 soil	none			
KM-34-0311-W	1103-194-3 water	none			
KM-40-0311-2	1103-194-4 soil	none			
KM-40-0311-4.5	1103-194-5 soil	none			
KM-36-0311-2	1103-194-6 soil	none			
KM-36-0311-6	1103-194-7 soil	none			
KM-36-0311-W	1103-194-8 water	none			
KM-37-0311-2	1103-194-9 soil	none			
KM-37-0311-5	1103-194-10 soil	none			
KM-37-0311-W	1103-194-11 water	all PAHs	J or UJ	µg/L	surrogate recovery
KM-35-0311-2	1103-202-1 soil	none			
KM-35-0311-6.5	1103-202-2 soil	none			
KM-35-0311-W	1103-202-3 water	none			
KM-33-0311-4	1103-202-4 soil	none			
KM-33-0311-W	1103-202-5 water	none			
KM-31-0311-3	1103-202-6 soil	none			
KM-31-0311-W	1103-202-7 water	none			
KM-32-0311-3	1103-202-8 soil	none			
KM-32-0311-W	1103-202-9 water	none			
TB-032211-W	1103-202-10 trip blank	none			
TB-032311	1103-217-1 trip blank	none			
KM-30-0311-2	1103-217-2 soil	none			
KM-30-0311-5	1103-217-3 soil	none			
KM-30-0311-W	1103-217-4 water	none			
KM-38-0311-2	1103-217-5 soil	none			
KM-38-0311-5	1103-217-6 soil	none			
KM-43-0311-2	1103-217-7 soil	none			
KM-39-0311-2.5	1103-229-1 soil	none			
KM-39-0311-2.5-D	1103-229-2 soil	none			
KM-39-0311-5	1103-229-3 soil	none			
KM-39-0311-W	1103-229-4 water	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Laboratory Sample ID/Matrix	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-0311-Rinsate	1103-229-5 rinsate blank	none			
KM-41-0311-3	1103-229-6 soil	all PAHs	J or UJ	µg/kg	surrogate recovery
KM-41-0311-4.5	1103-229-7 soil	none			
KM-41-0311-W	1103-229-8 water	benzene	23 J	µg/L	surrogate
		toluene	2.4 J	"	recovery
		ethylbenzene	9.6 J	"	"
		m,p-xylene	26 J	"	"
		o-xylene	9.1 J	"	"
		isopropylbenzene	24 J	"	"
		n-propylbenzene	30 J	"	"
		1,3,5-trimethylbenzene	1.3 J	"	"
		tert-butylbenzene	0.57 J	"	"
		1,2,4-trimethylbenzene	6.0 J	"	"
		sec-butylbenzene	4.4 J	"	"
		p-isopropyltoluene	0.52 J	"	"
		n-butylbenzene	4.8 J	"	"
		naphthalene	92 J	"	"
		naphthalene	27 J	"	field dup. RPD
KM-41-0311-W-D	1103-229-9 water	benzene	23 J	µg/L	surrogate
		toluene	2.5 J	"	recovery
		ethylbenzene	9.9 J	"	"
		m,p-xylene	27 J	"	"
		o-xylene	9.2 J	"	"
		isopropylbenzene	24 J	"	"
		n-propylbenzene	30 J	"	"
		1,3,5-trimethylbenzene	1.3 J	"	"
		tert-butylbenzene	0.57 J	"	"
		1,2,4-trimethylbenzene	6.1 J	"	"
		sec-butylbenzene	4.3 J	"	"
		p-isopropyltoluene	0.51 J	"	"
		n-butylbenzene	5.0 J	"	"
		naphthalene	97 J	"	"
		naphthalene	42 J	"	field dup. RPD
KM-42-0311-2	1103-229-10 soil	none			
KM-42-0311-5	1103-229-11 soil	none			
TB-032411	1103-229-12 trip blank	none			
TB-032811	1103-260-1 trip blank	none			
KMW-05-0311	1103-260-2 water	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility

Seattle, Washington

Sample ID	Laboratory Sample ID/Matrix	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KMW-03-0311	1103-260-3 water	none			
KMW-03-0311-D	1103-260-4 water	none			
KMW-02-0311	1103-260-5 water	none			
KMW-01-0311	1103-260-6 water	none			
KMW-04-0311	1103-260-7 water	none			

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 25, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 014697-0030
Laboratory Reference No. 1103-178

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 18, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

Case Narrative

Samples were collected on March 17 and 18, 2011 and received by the laboratory on March 18, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-0311-2**					
Laboratory ID:	03-178-01					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**0.079**	0.053	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**1.2**	0.053	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**0.65**	0.053	EPA 8021	3-23-11	3-23-11	
o-Xylene	**0.085**	0.053	EPA 8021	3-23-11	3-23-11	
Gasoline	**27**	5.3	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*68-124*				
Client ID:	**KMW-04-0311-4.5**					
Laboratory ID:	03-178-02					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.053	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.053	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.053	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.053	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.3	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*68-124*				

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Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323S1					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.0	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-202-06										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*97*	*68-124*			
SPIKE BLANKS											
Laboratory ID:	SB0323S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.966**	**0.950**	1.00	1.00		**97**	**95**	77-114	2	9	
Toluene	**1.02**	**1.01**	1.00	1.00		**102**	**101**	80-115	1	9	
Ethyl Benzene	**1.05**	**1.04**	1.00	1.00		**105**	**104**	80-118	1	9	
m,p-Xylene	**1.01**	**1.01**	1.00	1.00		**101**	**101**	82-118	0	9	
o-Xylene	**1.00**	**1.01**	1.00	1.00		**100**	**101**	82-116	1	9	
Surrogate:											
Fluorobenzene						*94*	*93*	*68-124*			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-0311-2**					
Laboratory ID:	03-178-01					
Naphthalene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0072	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*76*	*43 - 109*				
Pyrene-d10	*83*	*38 - 128*				
Terphenyl-d14	*81*	*33 - 119*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-0311-4.5**					
Laboratory ID:	03-178-02					
Naphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*43 - 109*				
Pyrene-d10	*90*	*38 - 128*				
Terphenyl-d14	*77*	*33 - 119*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-0311-5**					
Laboratory ID:	03-178-03					
Naphthalene	**0.015**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**0.026**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**0.012**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**0.15**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**0.030**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**0.35**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**0.31**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**0.23**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**0.34**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**0.42**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**0.30**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**0.35**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**0.30**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**0.11**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**0.38**	0.0085	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*83*	*43 - 109*				
Pyrene-d10	*90*	*38 - 128*				
Terphenyl-d14	*85*	*33 - 119*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*43 - 109*				
Pyrene-d10	*87*	*38 - 128*				
Terphenyl-d14	*89*	*33 - 119*				

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Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0470**	**0.0519**	0.0833	0.0833	56	62	43 - 108	10	27	
Acenaphthylene	**0.0555**	**0.0666**	0.0833	0.0833	67	80	52 - 120	18	21	
Acenaphthene	**0.0597**	**0.0662**	0.0833	0.0833	72	79	59 - 113	10	17	
Fluorene	**0.0644**	**0.0691**	0.0833	0.0833	77	83	64 - 117	7	14	
Phenanthrene	**0.0655**	**0.0691**	0.0833	0.0833	79	83	67 - 112	5	12	
Anthracene	**0.0578**	**0.0623**	0.0833	0.0833	69	75	59 - 110	7	16	
Fluoranthene	**0.0669**	**0.0709**	0.0833	0.0833	80	85	68 - 120	6	15	
Pyrene	**0.0691**	**0.0746**	0.0833	0.0833	83	90	69 - 121	8	17	
Benzo[a]anthracene	**0.0625**	**0.0659**	0.0833	0.0833	75	79	63 - 114	5	12	
Chrysene	**0.0678**	**0.0718**	0.0833	0.0833	81	86	67 - 118	6	12	
Benzo[b]fluoranthene	**0.0591**	**0.0654**	0.0833	0.0833	71	79	58 - 125	10	20	
Benzo[k]fluoranthene	**0.0525**	**0.0590**	0.0833	0.0833	63	71	42 - 134	12	26	
Benzo[a]pyrene	**0.0542**	**0.0584**	0.0833	0.0833	65	70	55 - 111	7	19	
Indeno(1,2,3-c,d)pyrene	**0.0607**	**0.0653**	0.0833	0.0833	73	78	60 - 125	7	20	
Dibenz[a,h]anthracene	**0.0625**	**0.0671**	0.0833	0.0833	75	81	62 - 125	7	19	
Benzo[g,h,i]perylene	**0.0638**	**0.0681**	0.0833	0.0833	77	82	61 - 124	7	19	
Surrogate:										
2-Fluorobiphenyl					*64*	*72*	*43 - 109*			
Pyrene-d10					*80*	*85*	*38 - 128*			
Terphenyl-d14					*76*	*81*	*33 - 119*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 25, 2011
Samples Submitted: March 18, 2011
Laboratory Reference: 1103-178
Project: 014697-0030

% MOISTURE

Date Analyzed: 3-23-11

Client ID	Lab ID	% Moisture
KMW-04-0311-2	03-178-01	7
KMW-04-0311-4.5	03-178-02	9
KMW-02-0311-5	03-178-03	21

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 01469700030
Project Name: Kelly Moore Paint
Project Manager: Tasya Gray
Sampled by: Shauna Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-178

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx *	NWTPH-Dx	Volatiles 8260B *	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	KMW-04-0311-2	3/17/11	0952	Soil	7		X	X		X			X								X
2	KMW-04-0311-4.5	3/17/11	0956	Soil	7		X	X		X			X								
3	KMW-02-0311-5	3/17/11	1109	Soil	1								X								

3/18/11

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/18/11	1540
Received		OnSite Env.	3/18/11	1540
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* Hold TPH & VOCs for
KMW-04-0311-2
KMW-04-0311-4.5

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 30, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 0146970030
Laboratory Reference No. 1103-194

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 21, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

Case Narrative

Samples were collected on March 21, 2011 and received by the laboratory on March 21, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-36-0311-6, KM-37-0311-2 and KM-37-0311-5 are similar to mineral spirits. The chromatogram for sample KM-36-0311-2 is similar to mineral spirits with gasoline. The chromatograms for samples KM-40-0311-2 and KM-40-0311-4.5 are similar to mineral spirits in addition to three unidentified peaks.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

NWTPH Gx/BTEX (water) Analysis

The NWTPH-Gx response for samples KM-34-0311-W and KM-37-0311-W is mainly attributed to three unidentified peaks. The chromatogram for sample KM-36-0311-W is similar to mineral spirits in addition to aforementioned peaks.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

PAHs EPA 8270D/SIM (water) Analysis

Sample KM-37-0311-W had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-2**					
Laboratory ID:	03-194-01					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.054	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.054	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.054	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.054	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.4	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-124*				
Client ID:	**KM-34-0311-4**					
Laboratory ID:	03-194-02					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.052	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.052	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.052	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.052	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.2	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*68-124*				
Client ID:	**KM-40-0311-2**					
Laboratory ID:	03-194-04					
Benzene	**0.58**	0.029	EPA 8021	3-23-11	3-24-11	
Toluene	**0.56**	0.15	EPA 8021	3-23-11	3-24-11	
Ethyl Benzene	**7.1**	0.15	EPA 8021	3-23-11	3-24-11	
m,p-Xylene	**25**	0.36	EPA 8021	3-23-11	3-24-11	
o-Xylene	**0.22**	0.15	EPA 8021	3-23-11	3-24-11	
Gasoline	**250**	15	NWTPH-Gx	3-23-11	3-24-11	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*68-124*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-40-0311-4.5**					
Laboratory ID:	03-194-05					
Benzene	**0.30**	0.065	EPA 8021	3-23-11	3-24-11	
Toluene	**1.8**	0.32	EPA 8021	3-23-11	3-24-11	
Ethyl Benzene	**2.7**	0.32	EPA 8021	3-23-11	3-24-11	
m,p-Xylene	**9.1**	0.32	EPA 8021	3-23-11	3-24-11	
o-Xylene	**0.33**	0.32	EPA 8021	3-23-11	3-24-11	
Gasoline	**280**	32	NWTPH-Gx	3-23-11	3-24-11	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-124*				
Client ID:	**KM-36-0311-2**					
Laboratory ID:	03-194-06					
Benzene	**1.9**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**0.53**	0.061	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**0.32**	0.061	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**3.2**	0.061	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.31	EPA 8021	3-23-11	3-23-11	U1
Gasoline	**360**	6.1	NWTPH-Gx	3-23-11	3-23-11	Z2
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-124*				
Client ID:	**KM-36-0311-6**					
Laboratory ID:	03-194-07					
Benzene	**0.065**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.061	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.061	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**0.20**	0.061	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.31	EPA 8021	3-23-11	3-23-11	U1
Gasoline	**94**	6.1	NWTPH-Gx	3-23-11	3-23-11	Z3
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*68-124*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-37-0311-2**					
Laboratory ID:	03-194-09					
Benzene	**0.098**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.083	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.083	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**0.35**	0.083	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.083	EPA 8021	3-23-11	3-23-11	
Gasoline	**28**	8.3	NWTPH-Gx	3-23-11	3-23-11	Z3
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*68-124*				
Client ID:	**KM-37-0311-5**					
Laboratory ID:	03-194-10					
Benzene	**0.077**	0.027	EPA 8021	3-23-11	3-25-11	
Toluene	**ND**	0.13	EPA 8021	3-23-11	3-25-11	
Ethyl Benzene	**ND**	0.13	EPA 8021	3-23-11	3-25-11	
m,p-Xylene	**0.23**	0.13	EPA 8021	3-23-11	3-25-11	
o-Xylene	**ND**	0.13	EPA 8021	3-23-11	3-25-11	
Gasoline	**81**	13	NWTPH-Gx	3-23-11	3-25-11	Z3
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*68-124*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323S2					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.0	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-202-08										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*101*	*104*	*68-124*			
SPIKE BLANKS											
Laboratory ID:	SB0323S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.966**	**0.950**	1.00	1.00		**97**	**95**	77-114	2	9	
Toluene	**1.02**	**1.01**	1.00	1.00		**102**	**101**	80-115	1	9	
Ethyl Benzene	**1.05**	**1.04**	1.00	1.00		**105**	**104**	80-118	1	9	
m,p-Xylene	**1.01**	**1.01**	1.00	1.00		**101**	**101**	82-118	0	9	
o-Xylene	**1.00**	**1.01**	1.00	1.00		**100**	**101**	82-116	1	9	
Surrogate:											
Fluorobenzene						*94*	*93*	*68-124*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-W**					
Laboratory ID:	03-194-03					
Benzene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
Toluene	**1.4**	1.0	EPA 8021	3-22-11	3-22-11	
Ethyl Benzene	**13**	1.0	EPA 8021	3-22-11	3-22-11	
m,p-Xylene	**56**	1.0	EPA 8021	3-22-11	3-22-11	
o-Xylene	**18**	1.0	EPA 8021	3-22-11	3-22-11	
Gasoline	**190**	100	NWTPH-Gx	3-22-11	3-22-11	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*73-121*				
Client ID:	**KM-36-0311-W**					
Laboratory ID:	03-194-08					
Benzene	**93**	10	EPA 8021	3-22-11	3-22-11	
Toluene	**ND**	10	EPA 8021	3-22-11	3-22-11	
Ethyl Benzene	**4700**	100	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**1400**	100	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	50	EPA 8021	3-22-11	3-22-11	U1
Gasoline	**31000**	1000	NWTPH-Gx	3-22-11	3-22-11	Z2
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*73-121*				
Client ID:	**KM-37-0311-W**					
Laboratory ID:	03-194-11					
Benzene	**35**	10	EPA 8021	3-22-11	3-22-11	
Toluene	**ND**	10	EPA 8021	3-22-11	3-22-11	
Ethyl Benzene	**5100**	250	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**10000**	250	EPA 8021	3-23-11	3-23-11	
o-Xylene	**1600**	250	EPA 8021	3-23-11	3-23-11	
Gasoline	**38000**	1000	NWTPH-Gx	3-22-11	3-22-11	Z1
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*73-121*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0322W1					
Benzene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
Toluene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
o-Xylene	**ND**	1.0	EPA 8021	3-22-11	3-22-11	
Gasoline	**ND**	100	NWTPH-Gx	3-22-11	3-22-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*106*	*73-121*				
Laboratory ID:	MB0323W3					
Benzene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	1.0	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	100	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*73-121*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-194-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**1.40**	**1.48**	NA	NA		NA		NA	6	30	
Ethyl Benzene	**13.2**	**12.9**	NA	NA		NA		NA	2	30	
m,p-Xylene	**56.4**	**52.9**	NA	NA		NA		NA	6	30	
o-Xylene	**18.1**	**17.5**	NA	NA		NA		NA	3	30	
Gasoline	**191**	**188**	NA	NA		NA		NA	2	30	
Surrogate:											
Fluorobenzene						*100*	*97*	*73-121*			
MATRIX SPIKES											
Laboratory ID:	03-194-03										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**51.8**	**54.3**	50.0	50.0	ND	**104**	**109**	82-120	5	8	
Toluene	**55.2**	**57.8**	50.0	50.0	1.40	**108**	**113**	84-119	5	8	
Ethyl Benzene	**67.2**	**70.4**	50.0	50.0	13.2	**108**	**114**	84-122	5	9	
m,p-Xylene	**106**	**109**	50.0	50.0	56.4	**99**	**105**	85-121	3	9	
o-Xylene	**69.4**	**72.0**	50.0	50.0	18.1	**103**	**108**	84-121	4	9	
Surrogate:											
Fluorobenzene						*94*	*103*	*73-121*			

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-2**					
Laboratory ID:	03-194-01					
Naphthalene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0069	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*84*	*43 - 109*				
Pyrene-d10	*90*	*38 - 128*				
Terphenyl-d14	*81*	*33 - 119*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-4**					
Laboratory ID:	03-194-02					
Naphthalene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*81*	*43 - 109*				
Pyrene-d10	*91*	*38 - 128*				
Terphenyl-d14	*82*	*33 - 119*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-36-0311-2**					
Laboratory ID:	03-194-06					
Naphthalene	**0.0087**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.0091**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.0084**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*43 - 109*				
Pyrene-d10	*91*	*38 - 128*				
Terphenyl-d14	*81*	*33 - 119*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-36-0311-6**					
Laboratory ID:	03-194-07					
Naphthalene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.020**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.016**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0075	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*84*	*43 - 109*				
Pyrene-d10	*86*	*38 - 128*				
Terphenyl-d14	*84*	*33 - 119*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-37-0311-2**					
Laboratory ID:	03-194-09					
Naphthalene	**0.025**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.036**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.035**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**0.012**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**0.072**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**0.012**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.082**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.082**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.035**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.064**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.050**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.040**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.050**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.048**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**0.014**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.066**	0.0089	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*71*	*43 - 109*				
Pyrene-d10	*66*	*38 - 128*				
Terphenyl-d14	*70*	*33 - 119*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-37-0311-5**					
Laboratory ID:	03-194-10					
Naphthalene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.013**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.0090**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**0.027**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.058**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.084**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.036**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.054**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.041**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.043**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.052**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.045**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**0.010**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.067**	0.0074	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*43 - 109*				
Pyrene-d10	*71*	*38 - 128*				
Terphenyl-d14	*72*	*33 - 119*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*43 - 109*				
Pyrene-d10	*87*	*38 - 128*				
Terphenyl-d14	*89*	*33 - 119*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0470**	**0.0519**	0.0833	0.0833	56	62	43 - 108	10	27	
Acenaphthylene	**0.0555**	**0.0666**	0.0833	0.0833	67	80	52 - 120	18	21	
Acenaphthene	**0.0597**	**0.0662**	0.0833	0.0833	72	79	59 - 113	10	17	
Fluorene	**0.0644**	**0.0691**	0.0833	0.0833	77	83	64 - 117	7	14	
Phenanthrene	**0.0655**	**0.0691**	0.0833	0.0833	79	83	67 - 112	5	12	
Anthracene	**0.0578**	**0.0623**	0.0833	0.0833	69	75	59 - 110	7	16	
Fluoranthene	**0.0669**	**0.0709**	0.0833	0.0833	80	85	68 - 120	6	15	
Pyrene	**0.0691**	**0.0746**	0.0833	0.0833	83	90	69 - 121	8	17	
Benzo[a]anthracene	**0.0625**	**0.0659**	0.0833	0.0833	75	79	63 - 114	5	12	
Chrysene	**0.0678**	**0.0718**	0.0833	0.0833	81	86	67 - 118	6	12	
Benzo[b]fluoranthene	**0.0591**	**0.0654**	0.0833	0.0833	71	79	58 - 125	10	20	
Benzo[k]fluoranthene	**0.0525**	**0.0590**	0.0833	0.0833	63	71	42 - 134	12	26	
Benzo[a]pyrene	**0.0542**	**0.0584**	0.0833	0.0833	65	70	55 - 111	7	19	
Indeno(1,2,3-c,d)pyrene	**0.0607**	**0.0653**	0.0833	0.0833	73	78	60 - 125	7	20	
Dibenz[a,h]anthracene	**0.0625**	**0.0671**	0.0833	0.0833	75	81	62 - 125	7	19	
Benzo[g,h,i]perylene	**0.0638**	**0.0681**	0.0833	0.0833	77	82	61 - 124	7	19	
Surrogate:										
2-Fluorobiphenyl					*64*	*72*	*43 - 109*			
Pyrene-d10					*80*	*85*	*38 - 128*			
Terphenyl-d14					*76*	*81*	*33 - 119*			

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-34-0311-W**					
Laboratory ID:	03-194-03					
Naphthalene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
2-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
1-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthylene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Fluorene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Phenanthrene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Anthracene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Fluoranthene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Pyrene	**ND**	0.099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Chrysene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0099	EPA 8270/SIM	3-22-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*84*	*38 - 105*				
Pyrene-d10	*89*	*37 - 121*				
Terphenyl-d14	*87*	*32 - 112*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 21, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-36-0311-W**					
Laboratory ID:	03-194-08					
Naphthalene	**3.6**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
2-Methylnaphthalene	**1.1**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
1-Methylnaphthalene	**0.91**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthene	**0.43**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Phenanthrene	**0.20**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]anthracene	**0.035**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Chrysene	**0.042**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[b]fluoranthene	**0.027**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[k]fluoranthene	**0.021**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]pyrene	**0.032**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**0.032**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[g,h,i]perylene	**0.050**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*47*	*38 - 105*				
Pyrene-d10	*47*	*37 - 121*				
Terphenyl-d14	*48*	*32 - 112*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-37-0311-W**					
Laboratory ID:	03-194-11					
Naphthalene	**4.6**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
2-Methylnaphthalene	**0.73**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
1-Methylnaphthalene	**0.50**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthylene	**ND**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthene	**0.12**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Fluorene	**ND**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Phenanthrene	**0.17**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Anthracene	**ND**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Fluoranthene	**0.10**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Pyrene	**0.10**	0.098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]anthracene	**0.043**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Chrysene	**0.053**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[b]fluoranthene	**0.032**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[k]fluoranthene	**0.026**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]pyrene	**0.035**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**0.027**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[g,h,i]perylene	**0.037**	0.0098	EPA 8270/SIM	3-22-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*37*	*38 - 105*				Q
Pyrene-d10	*46*	*37 - 121*				
Terphenyl-d14	*44*	*32 - 112*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0322W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-22-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*88*	*38 - 105*				
Pyrene-d10	*93*	*37 - 121*				
Terphenyl-d14	*93*	*32 - 112*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0322W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.333**	**0.352**	0.500	0.500	67	70	38 - 110	6	35	
Acenaphthylene	**0.344**	**0.371**	0.500	0.500	69	74	47 - 120	8	30	
Acenaphthene	**0.356**	**0.386**	0.500	0.500	71	77	46 - 113	8	26	
Fluorene	**0.375**	**0.403**	0.500	0.500	75	81	60 - 104	7	25	
Phenanthrene	**0.361**	**0.404**	0.500	0.500	72	81	61 - 99	11	19	
Anthracene	**0.350**	**0.382**	0.500	0.500	70	76	55 - 122	9	19	
Fluoranthene	**0.357**	**0.425**	0.500	0.500	71	85	58 - 129	17	18	
Pyrene	**0.355**	**0.403**	0.500	0.500	71	81	57 - 126	13	22	
Benzo[a]anthracene	**0.353**	**0.399**	0.500	0.500	71	80	51 - 124	12	18	
Chrysene	**0.367**	**0.417**	0.500	0.500	73	83	53 - 123	13	20	
Benzo[b]fluoranthene	**0.340**	**0.397**	0.500	0.500	68	79	53 - 126	15	18	
Benzo[k]fluoranthene	**0.325**	**0.393**	0.500	0.500	65	79	51 - 126	19	23	
Benzo[a]pyrene	**0.324**	**0.385**	0.500	0.500	65	77	52 - 127	17	21	
Indeno(1,2,3-c,d)pyrene	**0.331**	**0.407**	0.500	0.500	66	81	49 - 123	21	26	
Dibenz[a,h]anthracene	**0.309**	**0.404**	0.500	0.500	62	81	39 - 125	27	31	
Benzo[g,h,i]perylene	**0.328**	**0.413**	0.500	0.500	66	83	40 - 125	23	30	
Surrogate:										
2-Fluorobiphenyl					*75*	*76*	*38 - 105*			
Pyrene-d10					*73*	*82*	*37 - 121*			
Terphenyl-d14					*87*	*92*	*32 - 112*			

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-40-0311-2**					
Laboratory ID:	03-194-04					
Aroclor 1016	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1221	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1232	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1242	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1248	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1254	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1260	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*42-123*				
Client ID:	**KM-40-0311-4.5**					
Laboratory ID:	03-194-05					
Aroclor 1016	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1221	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1232	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1242	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1248	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1254	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Aroclor 1260	**ND**	0.062	EPA 8082	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*42-123*				

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323S1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1221	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1232	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1242	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1248	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1254	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Aroclor 1260	**ND**	0.050	EPA 8082	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*42-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-191-06										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.442**	**0.435**	0.500	0.500	ND	**88**	**87**	44-125	2	15	
Surrogate:											
DCB						*87*	*85*	*42-123*			

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-194-03					
Client ID:	**KM-34-0311-W**					
Arsenic	**ND**	3.3	200.8	3-23-11	3-23-11	
Chromium	**ND**	11	200.8	3-23-11	3-23-11	
Lead	**ND**	1.1	200.8	3-23-11	3-23-11	
Lab ID:	03-194-08					
Client ID:	**KM-36-0311-W**					
Arsenic	**20**	3.3	200.8	3-23-11	3-23-11	
Chromium	**ND**	11	200.8	3-23-11	3-23-11	
Lead	**ND**	1.1	200.8	3-23-11	3-23-11	
Lab ID:	03-194-11					
Client ID:	**KM-37-0311-W**					
Arsenic	**15**	3.3	200.8	3-23-11	3-23-11	
Chromium	**ND**	11	200.8	3-23-11	3-23-11	
Lead	**13**	1.1	200.8	3-23-11	3-23-11	

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-23-11
Date Analyzed:	3-23-11
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0323W3

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-23-11
Date Analyzed: 3-23-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-190-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Chromium	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-23-11
Date Analyzed: 3-23-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-190-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	101	**108**	98	3	
Chromium	110	**110**	100	**109**	99	0	
Lead	110	**108**	98	**106**	97	1	

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Date of Report: March 30, 2011
Samples Submitted: March 21, 2011
Laboratory Reference: 1103-194
Project: 0146970030

% MOISTURE

Date Analyzed: 3-23-11

Client ID	Lab ID	% Moisture
KM-34-0311-2	03-194-01	4
KM-34-0311-24	03-194-02	4
KM-40-0311-2	03-194-04	19
KM-40-0311-4.5	03-194-05	19
KM-36-0311-2	03-194-06	13
KM-36-0311-6	03-194-07	11
KM-37-0311-2	03-194-09	25
KM-37-0311-5	03-194-10	10

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - Gasoline response is mainly attributed to three unidentified peaks.
Z2 - Sample chromatogram is similar to mineral spirits in addition to three unidentified peaks.
Z3 - Sample chromatogram is similar to mineral spirits in addition to gasoline.
Z4 - Sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

Page 1 of 2

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 01469700030
Project Name: Kelly-Moore Paint
Project Manager: Tasya Gray
Sampled by: Shawna Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-194

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As, Pb, Cr only	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	KM-34-0311-2	3/21/11	0834	S	2		X						X								X
2	KM-34-0311-4	3/21/11	0840	S	↓		X						X								↓
3	KM-34-0311-W	3/21/11	1045	W	5		X						X					X			
4	KM-40-0311-2	3/21/11	1117	S	2		X							X							X
5	KM-40-0311-4.5	3/21/11	1120	S	↓		X							X							↓
6	KM-36-0311-2	3/21/11	1219	S			X						X								
7	KM-36-0311-6.5 DUP	3/21/11	1225	S	↓		X						X								↓
8	KM-36-0311-W	3/21/11	1310	W	5		X						X					X			
9	KM-37-0311-2	3/21/11	1338	S	2		X						X								X
10	KM-37-0311-5	3/21/11	1341	S	↓		X						X								↓

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/21/11	1635
Received		OnSite-Env	3/21/11	1635
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 0146970030
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: S. Mikelich

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-194

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As, Pb, Cr only	TCLP Metals	HEM (oil and grease) 1664	% Moisture
11	KM-37-0311-W	3/21/11	1427	W	5		X						X					X			

SM 3/21/11

SM 3/21/11

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/21/11	1635
Received		OnSite Env	3/21/11	1635
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Sample/Cooler Receipt and Acceptance Checklist

Client: AMEC

Client Project Name/Number: 01469700030

OnSite Project Number: 03-194

Initiated by: MMBG

Date Initiated: 3/21/11

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	Yes	No		1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	Temperature: 3 °C	
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A		
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and air bubbles?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	1	N/A	1 2 3 4

Explain any discrepancies:

2.4) Sample 7) KM-36-0311-6.5 3/21/11 1225 on COC
KM-36-0311-6 * " " on labels & lid of jar
Sample 9) KM-37-0311-2 3/21/11 1338 on COC
KM-37-0311- " " on label of jar *
37-2 1338 on lid of jar

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 31, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 0146970030
Laboratory Reference No. 1103-202

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 22, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

Case Narrative

Samples were collected on March 22, 2011 and received by the laboratory on March 23, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The MTCA Method A clean-up level for Benzene is not achievable for sample KM-33-0311-4 due to the necessary dilution of the sample.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-2**					
Laboratory ID:	03-202-01					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.040	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.040	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.040	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.040	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	4.0	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*68-124*				
Client ID:	**KM-35-0311-6.5**					
Laboratory ID:	03-202-02					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.051	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.051	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.051	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.051	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.1	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-124*				
Client ID:	**KM-33-0311-4**					
Laboratory ID:	03-202-04					
Benzene	**ND**	0.076	EPA 8021	3-23-11	3-24-11	
Toluene	**ND**	0.38	EPA 8021	3-23-11	3-24-11	
Ethyl Benzene	**ND**	0.38	EPA 8021	3-23-11	3-24-11	
m,p-Xylene	**ND**	1.9	EPA 8021	3-23-11	3-24-11	U1
o-Xylene	**ND**	1.9	EPA 8021	3-23-11	3-24-11	U1
Gasoline	**3300**	38	NWTPH-Gx	3-23-11	3-24-11	O
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*68-124*				
Client ID:	**KM-31-0311-3**					
Laboratory ID:	03-202-06					
Gasoline	**ND**	5.3	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*68-124*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-3**					
Laboratory ID:	03-202-08					
Gasoline	**ND**	5.1	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*68-124*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0323S1					
Benzene	**ND**	0.020	EPA 8021	3-23-11	3-23-11	
Toluene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
m,p-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
o-Xylene	**ND**	0.050	EPA 8021	3-23-11	3-23-11	
Gasoline	**ND**	5.0	NWTPH-Gx	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-202-06										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*94*	*97*	*68-124*			
SPIKE BLANKS											
Laboratory ID:	SB0323S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**0.966**	**0.950**	1.00	1.00		**97**	**95**	77-114	2	9	
Toluene	**1.02**	**1.01**	1.00	1.00		**102**	**101**	80-115	1	9	
Ethyl Benzene	**1.05**	**1.04**	1.00	1.00		**105**	**104**	80-118	1	9	
m,p-Xylene	**1.01**	**1.01**	1.00	1.00		**101**	**101**	82-118	0	9	
o-Xylene	**1.00**	**1.01**	1.00	1.00		**100**	**101**	82-116	1	9	
Surrogate:											
Fluorobenzene						*94*	*93*	*68-124*			

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-W**					
Laboratory ID:	03-202-03					
Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Toluene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*73-121*				
Client ID:	**KM-33-0311-W**					
Laboratory ID:	03-202-05					
Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Toluene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Gasoline	**160**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*73-121*				
Client ID:	**KM-31-0311-W**					
Laboratory ID:	03-202-07					
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*73-121*				
Client ID:	**KM-32-0311-W**					
Laboratory ID:	03-202-09					
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*73-121*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W2					
Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Toluene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*73-121*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-213-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**2.45**	**2.21**	NA	NA		NA		NA	10	30	
m,p-Xylene	**2.53**	**2.13**	NA	NA		NA		NA	17	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*102*	*105*	*73-121*			
MATRIX SPIKES											
Laboratory ID:	03-229-04										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**519**	**515**	500	500	11.4	**102**	**101**	82-120	1	8	
Toluene	**573**	**560**	500	500	36.9	**107**	**105**	84-119	2	8	
Ethyl Benzene	**560**	**553**	500	500	ND	**112**	**111**	84-122	1	9	
m,p-Xylene	**575**	**571**	500	500	27.4	**110**	**109**	85-121	1	9	
o-Xylene	**538**	**529**	500	500	ND	**108**	**106**	84-121	2	9	
Surrogate:											
Fluorobenzene						*107*	*106*	*73-121*			

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-3**					
Laboratory ID:	03-202-06					
Dichlorodifluoromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Chloromethane	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Vinyl Chloride	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Bromomethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Chloroethane	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Trichlorofluoromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Acetone	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Iodomethane	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Carbon Disulfide	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Methylene Chloride	ND	0.0055	EPA 8260	3-23-11	3-23-11	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Vinyl Acetate	ND	0.0055	EPA 8260	3-23-11	3-23-11	
2,2-Dichloropropane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
2-Butanone	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Bromochloromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Chloroform	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Carbon Tetrachloride	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1-Dichloropropene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Benzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dichloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Trichloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dichloropropane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Dibromomethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Bromodichloromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260	3-23-11	3-23-11	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Methyl Isobutyl Ketone	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Toluene	ND	0.0055	EPA 8260	3-23-11	3-23-11	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260	3-23-11	3-23-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-3**					
Laboratory ID:	03-202-06					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Tetrachloroethene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,3-Dichloropropane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
2-Hexanone	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Dibromochloromethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dibromoethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Chlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Ethylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
m,p-Xylene	ND	0.0022	EPA 8260	3-23-11	3-23-11	
o-Xylene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Styrene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Bromoform	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Isopropylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Bromobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260	3-23-11	3-23-11	
n-Propylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
2-Chlorotoluene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
4-Chlorotoluene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
tert-Butylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
sec-Butylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
p-Isopropyltoluene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
n-Butylbenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260	3-23-11	3-23-11	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Hexachlorobutadiene	ND	0.0055	EPA 8260	3-23-11	3-23-11	
Naphthalene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*78*	*63-127*				
Toluene-d8	*82*	*65-129*				
4-Bromofluorobenzene	*79*	*55-121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-3**					
Laboratory ID:	03-202-08					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloromethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Vinyl Chloride	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromomethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloroethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Acetone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Iodomethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Carbon Disulfide	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methylene Chloride	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Vinyl Acetate	ND	0.0050	EPA 8260	3-23-11	3-23-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Butanone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Bromochloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloroform	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Benzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Trichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Dibromomethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromodichloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Toluene	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-3**					
Laboratory ID:	03-202-08					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Tetrachloroethene	0.0016	0.0010	EPA 8260	3-23-11	3-23-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Hexanone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Dibromochloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Ethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
m,p-Xylene	ND	0.0020	EPA 8260	3-23-11	3-23-11	
o-Xylene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Styrene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromoform	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Isopropylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
n-Propylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
n-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Naphthalene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*81*	*63-127*				
Toluene-d8	*84*	*65-129*				
4-Bromofluorobenzene	*83*	*55-121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloromethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Vinyl Chloride	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromomethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloroethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Acetone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Iodomethane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Carbon Disulfide	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methylene Chloride	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Vinyl Acetate	ND	0.0050	EPA 8260	3-23-11	3-23-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Butanone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Bromochloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chloroform	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Benzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Trichloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Dibromomethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromodichloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Toluene	ND	0.0050	EPA 8260	3-23-11	3-23-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-23-11	3-23-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Tetrachloroethene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Hexanone	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Dibromochloromethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Chlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Ethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
m,p-Xylene	ND	0.0020	EPA 8260	3-23-11	3-23-11	
o-Xylene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Styrene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromoform	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Isopropylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Bromobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	3-23-11	3-23-11	
n-Propylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
n-Butylbenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	3-23-11	3-23-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	3-23-11	3-23-11	
Naphthalene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*80*	*63-127*				
Toluene-d8	*84*	*65-129*				
4-Bromofluorobenzene	*91*	*55-121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0518**	**0.0537**	0.0500	0.0500	104	107	70-130	4	19	
Benzene	**0.0487**	**0.0491**	0.0500	0.0500	97	98	70-125	1	15	
Trichloroethene	**0.0514**	**0.0503**	0.0500	0.0500	103	101	70-122	2	14	
Toluene	**0.0510**	**0.0497**	0.0500	0.0500	102	99	73-120	3	16	
Chlorobenzene	**0.0490**	**0.0483**	0.0500	0.0500	98	97	74-109	1	12	
Surrogate:										
Dibromofluoromethane					*71*	*74*	*63-127*			
Toluene-d8					*78*	*81*	*65-129*			
4-Bromofluorobenzene					*82*	*86*	*55-121*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-W**					
Laboratory ID:	03-202-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Acetone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	0.26	0.20	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	2.1	0.20	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Trichloroethene	0.83	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Toluene	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-W**					
Laboratory ID:	03-202-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.40	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	1.0	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*88*	*68-107*				
Toluene-d8	*91*	*73-102*				
4-Bromofluorobenzene	*88*	*65-104*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-W**					
Laboratory ID:	03-202-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Acetone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Toluene	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-W**					
Laboratory ID:	03-202-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.40	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	1.0	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*84*	*68-107*				
Toluene-d8	*85*	*73-102*				
4-Bromofluorobenzene	*82*	*65-104*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032211-W**					
Laboratory ID:	03-202-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Acetone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroform	0.97	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	0.61	0.20	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Toluene	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032211-W**					
Laboratory ID:	03-202-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	0.21	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.40	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	1.0	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*85*	*68-107*				
Toluene-d8	*85*	*73-102*				
4-Bromofluorobenzene	*81*	*65-104*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0324W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Acetone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	1.0	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	5.0	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Toluene	ND	1.0	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-24-11	3-24-11	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0324W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.0	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.40	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	1.0	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	1.0	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-24-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*68-107*				
Toluene-d8	*84*	*73-102*				
4-Bromofluorobenzene	*81*	*65-104*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-177-07										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**10.8**	**11.0**	10.0	10.0	ND	108	110	70-130	2	12	
Benzene	**10.1**	**10.1**	10.0	10.0	ND	101	101	84-123	0	11	
Trichloroethene	**10.1**	**10.2**	10.0	10.0	ND	101	102	80-117	1	14	
Toluene	**10.0**	**10.1**	10.0	10.0	ND	100	101	87-115	1	12	
Chlorobenzene	**10.3**	**10.1**	10.0	10.0	ND	103	101	86-117	2	13	
Surrogate:											
Dibromofluoromethane						*85*	*84*	*68-107*			
Toluene-d8						*85*	*86*	*73-102*			
4-Bromofluorobenzene						*84*	*82*	*65-104*			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-2**					
Laboratory ID:	03-202-01					
Naphthalene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.027**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.031**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.017**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.021**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.013**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.014**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.017**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.0098**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.012**	0.0071	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*43 - 109*				
Pyrene-d10	*88*	*38 - 128*				
Terphenyl-d14	*85*	*33 - 119*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-6.5**					
Laboratory ID:	03-202-02					
Naphthalene	**0.063**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
2-Methylnaphthalene	**0.10**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
1-Methylnaphthalene	**0.070**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Acenaphthylene	**ND**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Acenaphthene	**ND**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Fluorene	**ND**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Phenanthrene	**0.33**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Anthracene	**0.048**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Fluoranthene	**1.5**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Pyrene	**1.6**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[a]anthracene	**3.7**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Chrysene	**5.7**	0.72	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[b]fluoranthene	**5.9**	0.72	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[k]fluoranthene	**4.0**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[a]pyrene	**3.2**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Indeno(1,2,3-c,d)pyrene	**2.3**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Dibenz[a,h]anthracene	**1.1**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[g,h,i]perylene	**2.5**	0.036	EPA 8270/SIM	3-23-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*66*	*43 - 109*				
Pyrene-d10	*64*	*38 - 128*				
Terphenyl-d14	*66*	*33 - 119*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-33-0311-4**					
Laboratory ID:	03-202-04					
Naphthalene	**0.36**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.62**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**1.1**	0.043	EPA 8270/SIM	3-23-11	3-25-11	
Acenaphthylene	**0.053**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**0.36**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**0.66**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**0.59**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**0.37**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.50**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.41**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.11**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.14**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.035**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.024**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.033**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.018**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.025**	0.0085	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*58*	*43 - 109*				
Pyrene-d10	*85*	*38 - 128*				
Terphenyl-d14	*81*	*33 - 119*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-3**					
Laboratory ID:	03-202-06					
Naphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**0.010**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**0.12**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**0.022**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.14**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.19**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.19**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.23**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.15**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.10**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.25**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.14**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**0.16**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.32**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*87*	*43 - 109*				
Pyrene-d10	*88*	*38 - 128*				
Terphenyl-d14	*86*	*33 - 119*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-3**					
Laboratory ID:	03-202-08					
Naphthalene	**0.041**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**0.024**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.018**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**0.069**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**0.038**	0.0073	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**4.0**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Anthracene	**ND**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Fluoranthene	**21**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Pyrene	**21**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[a]anthracene	**23**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Chrysene	**29**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[b]fluoranthene	**28**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[k]fluoranthene	**23**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[a]pyrene	**24**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Indeno(1,2,3-c,d)pyrene	**15**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Dibenz[a,h]anthracene	**5.5**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Benzo[g,h,i]perylene	**16**	0.73	EPA 8270/SIM	3-23-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*89*	*43 - 109*				
Pyrene-d10	*78*	*38 - 128*				
Terphenyl-d14	*76*	*33 - 119*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-23-11	3-23-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*43 - 109*				
Pyrene-d10	*87*	*38 - 128*				
Terphenyl-d14	*89*	*33 - 119*				

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0470**	**0.0519**	0.0833	0.0833	56	62	43 - 108	10	27	
Acenaphthylene	**0.0555**	**0.0666**	0.0833	0.0833	67	80	52 - 120	18	21	
Acenaphthene	**0.0597**	**0.0662**	0.0833	0.0833	72	79	59 - 113	10	17	
Fluorene	**0.0644**	**0.0691**	0.0833	0.0833	77	83	64 - 117	7	14	
Phenanthrene	**0.0655**	**0.0691**	0.0833	0.0833	79	83	67 - 112	5	12	
Anthracene	**0.0578**	**0.0623**	0.0833	0.0833	69	75	59 - 110	7	16	
Fluoranthene	**0.0669**	**0.0709**	0.0833	0.0833	80	85	68 - 120	6	15	
Pyrene	**0.0691**	**0.0746**	0.0833	0.0833	83	90	69 - 121	8	17	
Benzo[a]anthracene	**0.0625**	**0.0659**	0.0833	0.0833	75	79	63 - 114	5	12	
Chrysene	**0.0678**	**0.0718**	0.0833	0.0833	81	86	67 - 118	6	12	
Benzo[b]fluoranthene	**0.0591**	**0.0654**	0.0833	0.0833	71	79	58 - 125	10	20	
Benzo[k]fluoranthene	**0.0525**	**0.0590**	0.0833	0.0833	63	71	42 - 134	12	26	
Benzo[a]pyrene	**0.0542**	**0.0584**	0.0833	0.0833	65	70	55 - 111	7	19	
Indeno(1,2,3-c,d)pyrene	**0.0607**	**0.0653**	0.0833	0.0833	73	78	60 - 125	7	20	
Dibenz[a,h]anthracene	**0.0625**	**0.0671**	0.0833	0.0833	75	81	62 - 125	7	19	
Benzo[g,h,i]perylene	**0.0638**	**0.0681**	0.0833	0.0833	77	82	61 - 124	7	19	
Surrogate:										
2-Fluorobiphenyl					*64*	*72*	*43 - 109*			
Pyrene-d10					*80*	*85*	*38 - 128*			
Terphenyl-d14					*76*	*81*	*33 - 119*			

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-35-0311-W**					
Laboratory ID:	03-202-03					
Naphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*38 - 105*				
Pyrene-d10	*77*	*37 - 121*				
Terphenyl-d14	*70*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-33-0311-W**					
Laboratory ID:	03-202-05					
Naphthalene	**0.16**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**0.39**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**1.9**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**0.93**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**0.18**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.14**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.10**	0.096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.020**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.022**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*75*	*38 - 105*				
Pyrene-d10	*84*	*37 - 121*				
Terphenyl-d14	*75*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-31-0311-W**					
Laboratory ID:	03-202-07					
Naphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.0097	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*81*	*38 - 105*				
Pyrene-d10	*88*	*37 - 121*				
Terphenyl-d14	*81*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-32-0311-W**					
Laboratory ID:	03-202-09					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**0.18**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**0.17**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**0.16**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**0.23**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**0.21**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**0.16**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**0.18**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**0.12**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**0.048**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**0.14**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*63*	*38 - 105*				
Pyrene-d10	*63*	*37 - 121*				
Terphenyl-d14	*61*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0323W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-23-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*77*	*38 - 105*				
Pyrene-d10	*79*	*37 - 121*				
Terphenyl-d14	*83*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0323W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.297**	**0.321**	0.500	0.500	59	64	38 - 110	8	35	
Acenaphthylene	**0.324**	**0.364**	0.500	0.500	65	73	47 - 120	12	30	
Acenaphthene	**0.323**	**0.364**	0.500	0.500	65	73	46 - 113	12	26	
Fluorene	**0.340**	**0.387**	0.500	0.500	68	77	60 - 104	13	25	
Phenanthrene	**0.345**	**0.395**	0.500	0.500	69	79	61 - 99	14	19	
Anthracene	**0.337**	**0.385**	0.500	0.500	67	77	55 - 122	13	19	
Fluoranthene	**0.367**	**0.420**	0.500	0.500	73	84	58 - 129	13	18	
Pyrene	**0.373**	**0.422**	0.500	0.500	75	84	57 - 126	12	22	
Benzo[a]anthracene	**0.356**	**0.404**	0.500	0.500	71	81	51 - 124	13	18	
Chrysene	**0.377**	**0.426**	0.500	0.500	75	85	53 - 123	12	20	
Benzo[b]fluoranthene	**0.352**	**0.395**	0.500	0.500	70	79	53 - 126	12	18	
Benzo[k]fluoranthene	**0.350**	**0.408**	0.500	0.500	70	82	51 - 126	15	23	
Benzo[a]pyrene	**0.339**	**0.386**	0.500	0.500	68	77	52 - 127	13	21	
Indeno(1,2,3-c,d)pyrene	**0.350**	**0.401**	0.500	0.500	70	80	49 - 123	14	26	
Dibenz[a,h]anthracene	**0.343**	**0.401**	0.500	0.500	69	80	39 - 125	16	31	
Benzo[g,h,i]perylene	**0.348**	**0.400**	0.500	0.500	70	80	40 - 125	14	30	
Surrogate:										
2-Fluorobiphenyl					*61*	*68*	*38 - 105*			
Pyrene-d10					*74*	*83*	*37 - 121*			
Terphenyl-d14					*78*	*81*	*32 - 112*			

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-202-03					
Client ID:	**KM-35-0311-W**					
Arsenic	**ND**	3.3	200.8	3-29-11	3-29-11	
Chromium	**ND**	11	200.8	3-29-11	3-29-11	
Lead	**ND**	1.1	200.8	3-29-11	3-29-11	
Lab ID:	03-202-05					
Client ID:	**KM-33-0311-W**					
Arsenic	**8.2**	3.3	200.8	3-29-11	3-29-11	
Chromium	**25**	11	200.8	3-29-11	3-29-11	
Lead	**6.5**	1.1	200.8	3-29-11	3-29-11	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-29-11
Date Analyzed:	3-29-11
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0329W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-29-11
Date Analyzed: 3-29-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-229-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**17.1**	**16.6**	3	3.3	
Chromium	**ND**	**ND**	NA	11	
Lead	**2.93**	**2.83**	3	1.1	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-29-11
Date Analyzed: 3-29-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-229-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**131**	104	**132**	104	0	
Chromium	110	**106**	96	**107**	97	1	
Lead	110	**119**	105	**121**	107	2	

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Date of Report: March 31, 2011
Samples Submitted: March 22, 2011
Laboratory Reference: 1103-202
Project: 0146970030

% MOISTURE

Date Analyzed: 3-23-11

Client ID	Lab ID	% Moisture
KM-35-0311-2	03-202-01	6
KM-35-0311-6.5	03-202-02	7
KM-33-0311-4	03-202-04	22
KM-31-0311-3	03-202-06	9
KM-32-0311-3	03-202-08	8

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 0146970030
Project Name: Kelly Moore Paint
Project Manager: Tasya Gray
Sampled by: Shauna Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-202

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As, Pb, Cr	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	km-35-0311-2	3/22/11	0821	S	3		X						X								X
2	km-35-0311-6.5	3/22/11	0833	S	3		X						X								X
3	km-35-0311-W	3/22/11	0910	W	5		X						X					X			
4	km-33-0311-4	3/22/11	1006	S	2		X						X								X
5	km-33-0311-W	3/22/11	1050	W	5		X						X					X			
6	km-31-0311-3	3/22/11	1152	S	5			X		X			X								X
7	km-31-0311-W	3/22/11	1238	W	7			X		X			X								
8	km-32-0311-3	3/22/11	1312	S	5			X		X			X								X
9	km-32-0311-W	3/22/11	1405	W	7			X		X			X								
10	TB-032211-W	3/22/11	—	W	1					X											

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/22/11	1610
Received			3/22/11	1610
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 4, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 0146970030
Laboratory Reference No. 1103-217

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 23, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

Case Narrative

Samples were collected on March 23, 2011 and received by the laboratory on March 23, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-30-0311-2' and KM-30-0311-5 are similar to mineral spirits.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for samples KM-30-0311-2' and KM-30-0311-5 due to the necessary dilution of the samples.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

PAHs EPA 8270D/SIM (water) Analysis

Due to sample matrix of sample KM-30-0311-W, the dilution of the sample increased the PQL's.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-2'**					
Laboratory ID:	03-217-02					
Gasoline	**400**	4.7	NWTPH-Gx	3-25-11	3-28-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*68-124*				
Client ID:	**KM-30-0311-5**					
Laboratory ID:	03-217-03					
Gasoline	**6000**	180	NWTPH-Gx	3-25-11	3-29-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	---	*68-124*				S

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S1					
Gasoline	**ND**	5.0	NWTPH-Gx	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-224-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*99*	*98*	*68-124*			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-W**					
Laboratory ID:	03-217-04					
Gasoline	**840**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*73-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W2					
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*104*	*73-121*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-213-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*102*	*105*	*73-121*			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-2'**					
Laboratory ID:	03-217-02					
Dichlorodifluoromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	0.27	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.055	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	0.27	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Acetone	ND	0.27	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	0.27	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.055	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	0.27	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	0.27	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.055	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	0.27	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	0.27	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	0.27	EPA 8260	3-24-11	3-24-11	
Toluene	ND	0.27	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.055	EPA 8260	3-24-11	3-24-11	

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Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-2'**					
Laboratory ID:	03-217-02					
1,1,2-Trichloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.055	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	0.27	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.11	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	0.055	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.055	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.055	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	0.12	0.055	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	0.11	0.055	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	0.27	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.27	EPA 8260	3-24-11	3-24-11	
Naphthalene	0.19	0.055	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.055	EPA 8260	3-24-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*73*	*63-127*				
Toluene-d8	*78*	*65-129*				
4-Bromofluorobenzene	*81*	*55-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-5**					
Laboratory ID:	03-217-03					
Dichlorodifluoromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	2.4	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.48	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	2.4	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Acetone	ND	2.4	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	2.4	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.48	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	2.4	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	2.4	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.48	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	2.4	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	2.4	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	2.4	EPA 8260	3-24-11	3-24-11	
Toluene	ND	2.4	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.48	EPA 8260	3-24-11	3-24-11	

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Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-5**					
Laboratory ID:	03-217-03					
1,1,2-Trichloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.48	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	2.4	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.95	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	0.48	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	4.2	0.48	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.48	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	6.7	0.48	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.48	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	0.86	0.48	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	14	0.48	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	7.0	0.48	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	2.4	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	2.4	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	0.48	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.48	EPA 8260	3-24-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*74*	*63-127*				
Toluene-d8	*80*	*65-129*				
4-Bromofluorobenzene	*86*	*55-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0324S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Chloromethane	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Vinyl Chloride	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Bromomethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Chloroethane	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Acetone	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Iodomethane	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Carbon Disulfide	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Methylene Chloride	ND	0.0050	EPA 8260	3-24-11	3-24-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Vinyl Acetate	ND	0.0050	EPA 8260	3-24-11	3-24-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
2-Butanone	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Bromochloromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Chloroform	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Benzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Trichloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Dibromomethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Bromodichloromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	3-24-11	3-24-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Toluene	ND	0.0050	EPA 8260	3-24-11	3-24-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-24-11	3-24-11	

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0324S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Tetrachloroethene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
2-Hexanone	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Dibromochloromethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Chlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Ethylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
m,p-Xylene	ND	0.0020	EPA 8260	3-24-11	3-24-11	
o-Xylene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Styrene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Bromoform	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Isopropylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Bromobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	3-24-11	3-24-11	
n-Propylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
n-Butylbenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	3-24-11	3-24-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	3-24-11	3-24-11	
Naphthalene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	3-24-11	3-24-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*79*	*63-127*				
Toluene-d8	*85*	*65-129*				
4-Bromofluorobenzene	*90*	*55-121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-228-01										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**0.0508**	**0.0507**	0.0500	0.0500	ND	102	101	70-130	0	19	
Benzene	**0.0478**	**0.0455**	0.0500	0.0500	ND	96	91	70-130	5	21	
Trichloroethene	**0.0490**	**0.0459**	0.0500	0.0500	ND	98	92	70-122	7	21	
Toluene	**0.0463**	**0.0441**	0.0500	0.0500	ND	93	88	70-126	5	20	
Chlorobenzene	**0.0449**	**0.0395**	0.0500	0.0500	ND	90	79	70-113	13	18	
Surrogate:											
Dibromofluoromethane						*71*	*71*	*63-127*			
Toluene-d8						*75*	*79*	*65-129*			
4-Bromofluorobenzene						*71*	*75*	*55-121*			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032311**					
Laboratory ID:	03-217-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Acetone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroform	0.93	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	0.53	0.20	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Toluene	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	

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Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032311**					
Laboratory ID:	03-217-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	0.23	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.40	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	1.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*80*	*68-107*				
Toluene-d8	*85*	*73-102*				
4-Bromofluorobenzene	*81*	*65-104*				

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Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-W**					
Laboratory ID:	03-217-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Acetone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Toluene	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	

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Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-W**					
Laboratory ID:	03-217-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.40	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	1.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	8.0	0.20	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	10	0.20	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	1.0	0.20	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	12	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	4.3	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*68-107*				
Toluene-d8	*86*	*73-102*				
4-Bromofluorobenzene	*90*	*65-104*				

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Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Acetone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Toluene	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.40	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	1.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*68-107*				
Toluene-d8	*84*	*73-102*				
4-Bromofluorobenzene	*84*	*65-104*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0325W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.5**	**10.3**	10.0	10.0	105	103	70-130	2	11	
Benzene	**10.0**	**9.72**	10.0	10.0	100	97	79-123	3	8	
Trichloroethene	**9.70**	**9.67**	10.0	10.0	97	97	82-113	0	9	
Toluene	**9.82**	**9.87**	10.0	10.0	98	99	84-113	1	8	
Chlorobenzene	**10.0**	**10.2**	10.0	10.0	100	102	89-111	2	8	
Surrogate:										
Dibromofluoromethane					*82*	*82*	*68-107*			
Toluene-d8					*84*	*86*	*73-102*			
4-Bromofluorobenzene					*80*	*82*	*65-104*			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-2'**					
Laboratory ID:	03-217-02					
Naphthalene	**1.2**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
2-Methylnaphthalene	**0.73**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
1-Methylnaphthalene	**0.47**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthylene	**0.053**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthene	**0.18**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Fluorene	**0.25**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Phenanthrene	**1.0**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Anthracene	**0.18**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Fluoranthene	**0.72**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Pyrene	**0.74**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]anthracene	**0.37**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Chrysene	**0.54**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[b]fluoranthene	**0.48**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[k]fluoranthene	**0.39**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]pyrene	**0.37**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Indeno(1,2,3-c,d)pyrene	**0.33**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Dibenz[a,h]anthracene	**0.12**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[g,h,i]perylene	**0.40**	0.0075	EPA 8270/SIM	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*79*	*43 - 109*				
Pyrene-d10	*77*	*38 - 128*				
Terphenyl-d14	*73*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-5**					
Laboratory ID:	03-217-03					
Naphthalene	**1.3**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
2-Methylnaphthalene	**1.7**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
1-Methylnaphthalene	**1.5**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthylene	**ND**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthene	**0.92**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Fluorene	**0.71**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Phenanthrene	**3.2**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Anthracene	**0.56**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Fluoranthene	**2.8**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Pyrene	**2.5**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]anthracene	**1.5**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Chrysene	**2.1**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[b]fluoranthene	**1.7**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[k]fluoranthene	**1.2**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]pyrene	**1.4**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**0.82**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[g,h,i]perylene	**1.1**	0.47	EPA 8270/SIM	3-25-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*63*	*43 - 109*				
Pyrene-d10	*71*	*38 - 128*				
Terphenyl-d14	*74*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*88*	*43 - 109*				
Pyrene-d10	*93*	*38 - 128*				
Terphenyl-d14	*85*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
MS/MSD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-218-03										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0661**	**0.0606**	0.0833	0.0833	ND	79	73	39 - 110	9	21	
Acenaphthylene	**0.0683**	**0.0617**	0.0833	0.0833	ND	82	74	47 - 124	10	21	
Acenaphthene	**0.0667**	**0.0605**	0.0833	0.0833	ND	80	73	50 - 120	10	20	
Fluorene	**0.0671**	**0.0624**	0.0833	0.0833	ND	81	75	52 - 126	7	21	
Phenanthrene	**0.0708**	**0.0627**	0.0833	0.0833	ND	85	75	41 - 130	12	22	
Anthracene	**0.0641**	**0.0585**	0.0833	0.0833	ND	77	70	48 - 124	9	23	
Fluoranthene	**0.0758**	**0.0656**	0.0833	0.0833	ND	91	79	40 - 137	14	23	
Pyrene	**0.0756**	**0.0678**	0.0833	0.0833	ND	91	81	36 - 139	11	23	
Benzo[a]anthracene	**0.0629**	**0.0569**	0.0833	0.0833	ND	76	68	43 - 127	10	21	
Chrysene	**0.0656**	**0.0584**	0.0833	0.0833	ND	79	70	41 - 133	12	19	
Benzo[b]fluoranthene	**0.0674**	**0.0593**	0.0833	0.0833	ND	81	71	40 - 132	13	25	
Benzo[k]fluoranthene	**0.0674**	**0.0594**	0.0833	0.0833	ND	81	71	35 - 132	13	25	
Benzo[a]pyrene	**0.0654**	**0.0604**	0.0833	0.0833	ND	79	73	37 - 131	8	26	
Indeno(1,2,3-c,d)pyrene	**0.0744**	**0.0687**	0.0833	0.0833	ND	89	82	39 - 134	8	23	
Dibenz[a,h]anthracene	**0.0733**	**0.0679**	0.0833	0.0833	ND	88	82	40 - 137	8	21	
Benzo[g,h,i]perylene	**0.0702**	**0.0656**	0.0833	0.0833	ND	84	79	35 - 135	7	22	
Surrogate:											
2-Fluorobiphenyl						*76*	*69*	*43 - 109*			
Pyrene-d10						*84*	*78*	*38 - 128*			
Terphenyl-d14						*71*	*65*	*33 - 119*			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-30-0311-W**					
Laboratory ID:	03-217-04					
Naphthalene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
2-Methylnaphthalene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
1-Methylnaphthalene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Acenaphthylene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Acenaphthene	**0.96**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Fluorene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Phenanthrene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Anthracene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Fluoranthene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Pyrene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[a]anthracene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Chrysene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[a]pyrene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.096	EPA 8270/SIM	3-28-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*51*	*38 - 105*				
Pyrene-d10	*72*	*37 - 121*				
Terphenyl-d14	*57*	*32 - 112*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*38 - 105*				
Pyrene-d10	*98*	*37 - 121*				
Terphenyl-d14	*90*	*32 - 112*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.316**	**0.318**	0.500	0.500	63	64	38 - 110	1	35	
Acenaphthylene	**0.343**	**0.398**	0.500	0.500	69	80	47 - 120	15	30	
Acenaphthene	**0.345**	**0.390**	0.500	0.500	69	78	46 - 113	12	26	
Fluorene	**0.442**	**0.353**	0.500	0.500	88	71	60 - 104	22	25	
Phenanthrene	**0.368**	**0.403**	0.500	0.500	74	81	61 - 99	9	19	
Anthracene	**0.377**	**0.383**	0.500	0.500	75	77	55 - 122	2	19	
Fluoranthene	**0.424**	**0.441**	0.500	0.500	85	88	58 - 129	4	18	
Pyrene	**0.394**	**0.412**	0.500	0.500	79	82	57 - 126	4	22	
Benzo[a]anthracene	**0.343**	**0.382**	0.500	0.500	69	76	51 - 124	11	18	
Chrysene	**0.336**	**0.378**	0.500	0.500	67	76	53 - 123	12	20	
Benzo[b]fluoranthene	**0.387**	**0.441**	0.500	0.500	77	88	53 - 126	13	18	
Benzo[k]fluoranthene	**0.417**	**0.419**	0.500	0.500	83	84	51 - 126	0	23	
Benzo[a]pyrene	**0.335**	**0.384**	0.500	0.500	67	77	52 - 127	14	21	
Indeno(1,2,3-c,d)pyrene	**0.379**	**0.413**	0.500	0.500	76	83	49 - 123	9	26	
Dibenz[a,h]anthracene	**0.387**	**0.418**	0.500	0.500	77	84	39 - 125	8	31	
Benzo[g,h,i]perylene	**0.368**	**0.388**	0.500	0.500	74	78	40 - 125	5	30	
Surrogate:										
2-Fluorobiphenyl					*64*	*69*	*38 - 105*			
Pyrene-d10					*85*	*86*	*37 - 121*			
Terphenyl-d14					*72*	*73*	*32 - 112*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-38-0311-2**					
Laboratory ID:	03-217-05					
Aroclor 1016	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.051	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*42-123*				
Client ID:	**KM-38-0311-5**					
Laboratory ID:	03-217-06					
Aroclor 1016	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.054	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.24**	0.054	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*42-123*				
Client ID:	**KM-43-0311-2**					
Laboratory ID:	03-217-07					
Aroclor 1016	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.052	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.17**	0.052	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*42-123*				

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*42-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-217-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.450**	**0.451**	0.500	0.500	ND	**90**	**90**	44-125	0	15	
Surrogate:											
DCB						*91*	*91*	*42-123*			

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Date of Report: April 4, 2011
Samples Submitted: March 23, 2011
Laboratory Reference: 1103-217
Project: 0146970030

% MOISTURE

Date Analyzed: 3-24&25-11

Client ID	Lab ID	% Moisture
KM-30-0311-2'	03-217-02	12
KM-30-0311-5	03-217-03	29
KM-38-0311-2	03-217-05	3
KM-38-0311-5	03-217-06	7
KM-43-0311-2	03-217-07	4

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 01469700030
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Shauna Mikelich

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-21703-216

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one)	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	TB-032311	3/23/11		W	1					X											
2	km-30-0311-2'	3/23/11	0813	S	~~5~~ 4			X		X			X								X
3	km-30-0311-5	3/23/11	0820	S	3			X		X			X								↓
4	km-30-0311-W	3/23/11	0905	W	7			X		X			X								
5	km-38-0311-2	3/23/11	1226	S	1									X							X
6	km-38-0311-5	3/23/11	1229	S	1									X							↓
7	km-43-0311-2	3/23/11	1342	S	1									X							

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/23/11	1535
Received		QSE	3/23/11	1535
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Sample/Cooler Receipt and Acceptance Checklist

Client: AMEG

Client Project Name/Number: 01469700030

OnSite Project Number: 03-217

Initiated by: MV

Date Initiated: 3/23/11

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	Yes	No		1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	Temperature: 3		
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A			
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and air bubbles?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	1	N/A	1 2 3 4

Explain any discrepancies:

2.4) Sample 3) KM-30-0311-S 3/23/11 0820 on COC
KM-30-0311- 3/23/11 0820 on Lab

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 4, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 0146970030
Laboratory Reference No. 1103-229

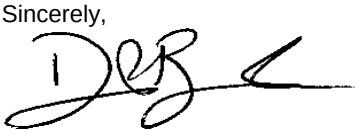
Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 24, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,



David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

Case Narrative

Samples were collected on March 24, 2011 and received by the laboratory on March 24, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH-G/BTEX (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples KM-39-0311-2.5, KM-39-0311-2.5-D, KM-39-0311-5, KM-41-0311-3 and KM-41-0311-4.5 are similar to mineral spirits.

NWTPH-G/BTEX (water) Analysis

The chromatograms for samples KM-39-0311-W, KM-41-0311-W and KM-41-0311-W-D are similar to mineral spirits.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for samples KM-41-0311-3 and KM-41-0311-4.5 due to the necessary dilution of the samples.

Volatiles EPA 8260B (water) Analysis

Some MTCA Method A cleanup levels are non-achievable for samples KM-41-0311-W and KM-41-0311-W-D due to the necessary dilution of the samples.

Surrogate 4-Bromofluorobenzene is outside control limits for samples KM-41-0311-W and KM-41-0311-W-D due to co-eluting non-target analytes.

PAHs EPA 8270D/SIM (soil) Analysis

Sample KM-41-0311-3 had one surrogate recovery out of control limits. This is within allowance of our standard operating procedure as long as the recovery is above 10%.

PAHs EPA 8270D/SIM (water) Analysis

Due to sample matrix of samples, the samples were diluted 50 to 100 times therefore increasing the PQL's.

Due to the sample matrix of sample KM-39-0311-W and therefore a necessary dilution, the MS/MSD pair data recovery is not available.

Please note that any other QA/QC issues associated with these analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-2.5**					
Laboratory ID:	03-229-01					
Benzene	**0.53**	0.066	EPA 8021	3-25-11	3-28-11	
Toluene	**4.8**	0.33	EPA 8021	3-25-11	3-28-11	
Ethyl Benzene	**26**	0.33	EPA 8021	3-25-11	3-28-11	
m,p-Xylene	**49**	1.3	EPA 8021	3-25-11	3-29-11	
o-Xylene	**ND**	3.3	EPA 8021	3-25-11	3-28-11	U1
Gasoline	**4800**	130	NWTPH-Gx	3-25-11	3-29-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*75*	*68-124*				
Client ID:	**KM-39-0311-2.5-D**					
Laboratory ID:	03-229-02					
Benzene	**0.47**	0.063	EPA 8021	3-25-11	3-28-11	
Toluene	**4.9**	0.31	EPA 8021	3-25-11	3-28-11	
Ethyl Benzene	**20**	0.31	EPA 8021	3-25-11	3-28-11	
m,p-Xylene	**42**	1.3	EPA 8021	3-25-11	3-29-11	
o-Xylene	**ND**	3.1	EPA 8021	3-25-11	3-28-11	U1
Gasoline	**4900**	130	NWTPH-Gx	3-25-11	3-29-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*73*	*68-124*				
Client ID:	**KM-39-0311-5**					
Laboratory ID:	03-229-03					
Benzene	**ND**	0.021	EPA 8021	3-25-11	3-28-11	
Toluene	**ND**	0.11	EPA 8021	3-25-11	3-28-11	
Ethyl Benzene	**ND**	0.11	EPA 8021	3-25-11	3-28-11	
m,p-Xylene	**1.3**	0.11	EPA 8021	3-25-11	3-28-11	
o-Xylene	**ND**	0.55	EPA 8021	3-25-11	3-28-11	U1
Gasoline	**990**	11	NWTPH-Gx	3-25-11	3-28-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*68-124*				
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
Gasoline	**560**	11	NWTPH-Gx	3-25-11	3-30-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*124*	*68-124*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
Gasoline	**8300**	150	NWTPH-Gx	3-25-11	3-29-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	---	*68-124*				S

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S1					
Benzene	**ND**	0.020	EPA 8021	3-25-11	3-28-11	
Toluene	**ND**	0.050	EPA 8021	3-25-11	3-28-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	3-25-11	3-28-11	
m,p-Xylene	**ND**	0.050	EPA 8021	3-25-11	3-28-11	
o-Xylene	**ND**	0.050	EPA 8021	3-25-11	3-28-11	
Gasoline	**ND**	5.0	NWTPH-Gx	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-224-01										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*99*	*98*	*68-124*			

MATRIX SPIKES											
Laboratory ID:	03-224-01										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**0.908**	**0.933**	1.00	1.00	ND	**91**	**93**	79-121	3	10	
Toluene	**0.985**	**1.03**	1.00	1.00	ND	**99**	**103**	83-121	4	14	
Ethyl Benzene	**1.03**	**1.05**	1.00	1.00	ND	**103**	**105**	83-123	2	9	
m,p-Xylene	**1.04**	**1.06**	1.00	1.00	ND	**104**	**106**	84-123	2	10	
o-Xylene	**1.00**	**1.03**	1.00	1.00	ND	**100**	**103**	82-124	3	10	
Surrogate:											
Fluorobenzene						*87*	*90*	*68-124*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-W**					
Laboratory ID:	03-229-04					
Benzene	**11**	10	EPA 8021	3-25-11	3-25-11	
Toluene	**37**	10	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	10	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**27**	10	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	10	EPA 8021	3-25-11	3-25-11	
Gasoline	**6600**	1000	NWTPH-Gx	3-25-11	3-25-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*73-121*				
Client ID:	**KM-41-0311-W**					
Laboratory ID:	03-229-08					
Gasoline	**4400**	400	NWTPH-Gx	3-25-11	3-25-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*73-121*				
Client ID:	**KM-41-0311-W-D**					
Laboratory ID:	03-229-09					
Gasoline	**5700**	400	NWTPH-Gx	3-25-11	3-25-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*73-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W1					
Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Toluene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
o-Xylene	**ND**	1.0	EPA 8021	3-25-11	3-25-11	
Gasoline	**ND**	100	NWTPH-Gx	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*73-121*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-229-04										
	ORIG	DUP									
Benzene	**11.4**	**10.2**	NA	NA		NA		NA	11	30	
Toluene	**36.9**	**35.2**	NA	NA		NA		NA	5	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**27.4**	**25.9**	NA	NA		NA		NA	6	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**6560**	**6760**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*103*	*104*	*73-121*			
MATRIX SPIKES											
Laboratory ID:	03-229-04										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**519**	**515**	500	500	11.4	**102**	**101**	82-120	1	8	
Toluene	**573**	**560**	500	500	36.9	**107**	**105**	84-119	2	8	
Ethyl Benzene	**560**	**553**	500	500	ND	**112**	**111**	84-122	1	9	
m,p-Xylene	**575**	**571**	500	500	27.4	**110**	**109**	85-121	1	9	
o-Xylene	**538**	**529**	500	500	ND	**108**	**106**	84-121	2	9	
Surrogate:											
Fluorobenzene						*107*	*106*	*73-121*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
Dichlorodifluoromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	2.8	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.56	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	2.8	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Acetone	ND	2.8	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	2.8	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.56	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	2.8	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.8	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.56	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	2.8	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	2.8	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.8	EPA 8260	3-25-11	3-25-11	
Toluene	ND	2.8	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.56	EPA 8260	3-25-11	3-25-11	

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Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
1,1,2-Trichloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.56	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.8	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	2.9	0.56	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	19	1.1	EPA 8260	3-25-11	3-25-11	
o-Xylene	11	0.56	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	0.56	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	1.8	0.56	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.56	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	1.6	0.56	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.56	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	8.0	0.56	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	11	0.56	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	1.9	0.56	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	2.3	0.56	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	2.8	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	2.8	EPA 8260	3-25-11	3-25-11	
Naphthalene	9.0	0.56	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.56	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*70*	*63-127*				
Toluene-d8	*76*	*65-129*				
4-Bromofluorobenzene	*78*	*55-121*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
Dichlorodifluoromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	2.2	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.43	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	2.2	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Acetone	ND	2.2	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	2.2	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.43	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	2.2	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.2	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.43	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	2.2	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	2.2	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.2	EPA 8260	3-25-11	3-25-11	
Toluene	ND	2.2	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.43	EPA 8260	3-25-11	3-25-11	

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Project: 0146970030

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
1,1,2-Trichloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.43	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.2	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	0.71	0.43	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	3.5	0.86	EPA 8260	3-25-11	3-25-11	
o-Xylene	1.6	0.43	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	0.43	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	1.6	0.43	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.43	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	2.7	0.43	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.43	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	1.2	0.43	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	2.5	0.43	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	1.5	0.43	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	0.62	0.43	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	1.9	0.43	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	2.2	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	2.2	EPA 8260	3-25-11	3-25-11	
Naphthalene	10	0.43	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.43	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*69*	*63-127*				
Toluene-d8	*78*	*65-129*				
4-Bromofluorobenzene	*83*	*55-121*				

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Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Acetone	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	0.0050	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	0.0050	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Toluene	ND	0.0050	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260	3-25-11	3-25-11	

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Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.0020	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.0050	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*78*	*63-127*				
Toluene-d8	*85*	*65-129*				
4-Bromofluorobenzene	*94*	*55-121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0325S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0469**	**0.0481**	0.0500	0.0500	94	96	70-130	3	19	
Benzene	**0.0458**	**0.0470**	0.0500	0.0500	92	94	70-125	3	15	
Trichloroethene	**0.0488**	**0.0484**	0.0500	0.0500	98	97	70-122	1	14	
Toluene	**0.0483**	**0.0487**	0.0500	0.0500	97	97	73-120	1	16	
Chlorobenzene	**0.0454**	**0.0461**	0.0500	0.0500	91	92	74-109	2	12	
Surrogate:										
Dibromofluoromethane					*69*	*71*	*63-127*			
Toluene-d8					*75*	*81*	*65-129*			
4-Bromofluorobenzene					*80*	*88*	*55-121*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W**					
Laboratory ID:	03-229-08					
Dichlorodifluoromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Acetone	ND	10	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	2.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	4.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	10	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Benzene	23	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	4.0	EPA 8260	3-25-11	3-25-11	
Toluene	2.4	2.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W**					
Laboratory ID:	03-229-08					
1,1,2-Trichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	4.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	9.6	0.40	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	26	0.80	EPA 8260	3-25-11	3-25-11	
o-Xylene	9.1	0.40	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	2.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	24	0.40	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	30	0.40	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.40	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	1.3	0.40	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	0.57	0.40	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	6.0	0.40	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	4.4	0.40	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	0.52	0.40	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	4.8	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Naphthalene	92	2.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*84*	*68-107*				
Toluene-d8	*91*	*73-102*				
4-Bromofluorobenzene	*108*	*65-104*				Q

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W-D**					
Laboratory ID:	03-229-09					
Dichlorodifluoromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Acetone	ND	10	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	2.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	2.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	4.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	10	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Benzene	23	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	4.0	EPA 8260	3-25-11	3-25-11	
Toluene	2.5	2.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260	3-25-11	3-25-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W-D**					
Laboratory ID:	03-229-09					
1,1,2-Trichloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	4.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	9.9	0.40	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	27	0.80	EPA 8260	3-25-11	3-25-11	
o-Xylene	9.2	0.40	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	2.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	24	0.40	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.40	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	30	0.40	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.40	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	1.3	0.40	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	0.57	0.40	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	6.1	0.40	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	4.3	0.40	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	0.51	0.40	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	5.0	0.40	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Naphthalene	97	2.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*78*	*68-107*				
Toluene-d8	*87*	*73-102*				
4-Bromofluorobenzene	*108*	*65-104*				Q

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032411**					
Laboratory ID:	03-229-12					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloromethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromomethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloroethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Acetone	ND	5.0	EPA 8260	3-28-11	3-28-11	
Iodomethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methylene Chloride	4.6	1.0	EPA 8260	3-28-11	3-28-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-28-11	3-28-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Butanone	ND	5.0	EPA 8260	3-28-11	3-28-11	
Bromochloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloroform	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Benzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Trichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Dibromomethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-28-11	3-28-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-28-11	3-28-11	
Toluene	ND	1.0	EPA 8260	3-28-11	3-28-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032411**					
Laboratory ID:	03-229-12					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Hexanone	ND	2.0	EPA 8260	3-28-11	3-28-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Ethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
m,p-Xylene	ND	0.40	EPA 8260	3-28-11	3-28-11	
o-Xylene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Styrene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromoform	ND	1.0	EPA 8260	3-28-11	3-28-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-28-11	3-28-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Naphthalene	ND	1.0	EPA 8260	3-28-11	3-28-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*68-107*				
Toluene-d8	*84*	*73-102*				
4-Bromofluorobenzene	*83*	*65-104*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloromethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Acetone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Iodomethane	ND	1.0	EPA 8260	3-25-11	3-25-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methylene Chloride	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-25-11	3-25-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Butanone	ND	5.0	EPA 8260	3-25-11	3-25-11	
Bromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chloroform	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Benzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Trichloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Dibromomethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-25-11	3-25-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Toluene	ND	1.0	EPA 8260	3-25-11	3-25-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-25-11	3-25-11	

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Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Hexanone	ND	2.0	EPA 8260	3-25-11	3-25-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Chlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
Ethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
m,p-Xylene	ND	0.40	EPA 8260	3-25-11	3-25-11	
o-Xylene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Styrene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromoform	ND	1.0	EPA 8260	3-25-11	3-25-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Bromobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Naphthalene	ND	1.0	EPA 8260	3-25-11	3-25-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*68-107*				
Toluene-d8	*84*	*73-102*				
4-Bromofluorobenzene	*84*	*65-104*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloromethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Vinyl Chloride	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromomethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloroethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Acetone	ND	5.0	EPA 8260	3-28-11	3-28-11	
Iodomethane	ND	1.0	EPA 8260	3-28-11	3-28-11	
Carbon Disulfide	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methylene Chloride	ND	1.0	EPA 8260	3-28-11	3-28-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Vinyl Acetate	ND	2.0	EPA 8260	3-28-11	3-28-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Butanone	ND	5.0	EPA 8260	3-28-11	3-28-11	
Bromochloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chloroform	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Benzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Trichloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Dibromomethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromodichloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	3-28-11	3-28-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	3-28-11	3-28-11	
Toluene	ND	1.0	EPA 8260	3-28-11	3-28-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	3-28-11	3-28-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Tetrachloroethene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Hexanone	ND	2.0	EPA 8260	3-28-11	3-28-11	
Dibromochloromethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Chlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
Ethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
m,p-Xylene	ND	0.40	EPA 8260	3-28-11	3-28-11	
o-Xylene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Styrene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromoform	ND	1.0	EPA 8260	3-28-11	3-28-11	
Isopropylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Bromobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	3-28-11	3-28-11	
n-Propylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
2-Chlorotoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
4-Chlorotoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
tert-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
sec-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
n-Butylbenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	3-28-11	3-28-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Naphthalene	ND	1.0	EPA 8260	3-28-11	3-28-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	3-28-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*84*	*68-107*				
Toluene-d8	*86*	*73-102*				
4-Bromofluorobenzene	*83*	*65-104*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0325W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.5**	**10.3**	10.0	10.0	105	103	70-130	2	11	
Benzene	**10.0**	**9.72**	10.0	10.0	100	97	79-123	3	8	
Trichloroethene	**9.70**	**9.67**	10.0	10.0	97	97	82-113	0	9	
Toluene	**9.82**	**9.87**	10.0	10.0	98	99	84-113	1	8	
Chlorobenzene	**10.0**	**10.2**	10.0	10.0	100	102	89-111	2	8	
Surrogate:										
Dibromofluoromethane					*82*	*82*	*68-107*			
Toluene-d8					*84*	*86*	*73-102*			
4-Bromofluorobenzene					*80*	*82*	*65-104*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.3**	**10.4**	10.0	10.0	103	104	70-130	1	11	
Benzene	**10.0**	**10.2**	10.0	10.0	100	102	79-123	2	8	
Trichloroethene	**9.79**	**10.0**	10.0	10.0	98	100	82-113	2	9	
Toluene	**9.85**	**10.2**	10.0	10.0	99	102	84-113	3	8	
Chlorobenzene	**10.4**	**10.7**	10.0	10.0	104	107	89-111	3	8	
Surrogate:										
Dibromofluoromethane					*83*	*82*	*68-107*			
Toluene-d8					*85*	*85*	*73-102*			
4-Bromofluorobenzene					*81*	*81*	*65-104*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-2.5**					
Laboratory ID:	03-229-01					
Naphthalene	**5.6**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
2-Methylnaphthalene	**10**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
1-Methylnaphthalene	**6.7**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthylene	**ND**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthene	**2.7**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Fluorene	**1.8**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Phenanthrene	**4.0**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Anthracene	**0.72**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Fluoranthene	**1.9**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Pyrene	**1.7**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]anthracene	**0.56**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Chrysene	**0.77**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[b]fluoranthene	**0.47**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[k]fluoranthene	**0.40**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]pyrene	**0.40**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.38	EPA 8270/SIM	3-25-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*43 - 109*				
Pyrene-d10	*71*	*38 - 128*				
Terphenyl-d14	*64*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-2.5-D**					
Laboratory ID:	03-229-02					
Naphthalene	**5.8**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
2-Methylnaphthalene	**11**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
1-Methylnaphthalene	**7.1**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Acenaphthylene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Acenaphthene	**2.6**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Fluorene	**1.9**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Phenanthrene	**4.2**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Anthracene	**0.77**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Fluoranthene	**2.2**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Pyrene	**2.0**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[a]anthracene	**0.56**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Chrysene	**0.76**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[b]fluoranthene	**0.45**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[a]pyrene	**0.42**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.36	EPA 8270/SIM	3-25-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*56*	*43 - 109*				
Pyrene-d10	*81*	*38 - 128*				
Terphenyl-d14	*68*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-5**					
Laboratory ID:	03-229-03					
Naphthalene	**0.045**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
2-Methylnaphthalene	**2.6**	0.070	EPA 8270/SIM	3-25-11	3-29-11	
1-Methylnaphthalene	**2.0**	0.070	EPA 8270/SIM	3-25-11	3-29-11	
Acenaphthylene	**0.046**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthene	**0.94**	0.070	EPA 8270/SIM	3-25-11	3-29-11	
Fluorene	**0.66**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Phenanthrene	**1.5**	0.070	EPA 8270/SIM	3-25-11	3-29-11	
Anthracene	**0.27**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Fluoranthene	**0.64**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Pyrene	**0.61**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]anthracene	**0.18**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Chrysene	**0.24**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[b]fluoranthene	**0.14**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[k]fluoranthene	**0.11**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]pyrene	**0.15**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Indeno(1,2,3-c,d)pyrene	**0.092**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Dibenz[a,h]anthracene	**0.033**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[g,h,i]perylene	**0.12**	0.0070	EPA 8270/SIM	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*43 - 109*				
Pyrene-d10	*77*	*38 - 128*				
Terphenyl-d14	*68*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
Naphthalene	**12**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
2-Methylnaphthalene	**7.3**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
1-Methylnaphthalene	**5.1**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Acenaphthylene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Acenaphthene	**0.82**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Fluorene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Phenanthrene	**1.4**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Anthracene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Fluoranthene	**0.64**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Pyrene	**0.56**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[a]anthracene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Chrysene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[a]pyrene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.52	EPA 8270/SIM	3-25-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*37*	*43 - 109*				Q
Pyrene-d10	*49*	*38 - 128*				
Terphenyl-d14	*37*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
Naphthalene	**37**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
2-Methylnaphthalene	**24**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
1-Methylnaphthalene	**17**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthylene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Acenaphthene	**3.5**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Fluorene	**2.1**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Phenanthrene	**8.1**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Anthracene	**0.96**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Fluoranthene	**3.2**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Pyrene	**3.1**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]anthracene	**0.99**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Chrysene	**1.4**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[b]fluoranthene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[k]fluoranthene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[a]pyrene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.85	EPA 8270/SIM	3-25-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*64*	*43 - 109*				
Pyrene-d10	*58*	*38 - 128*				
Terphenyl-d14	*56*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0325S1					
Naphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	3-25-11	3-28-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*88*	*43 - 109*				
Pyrene-d10	*93*	*38 - 128*				
Terphenyl-d14	*85*	*33 - 119*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
MS/MSD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-218-03										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0661**	**0.0606**	0.0833	0.0833	ND	79	73	39 - 110	9	21	
Acenaphthylene	**0.0683**	**0.0617**	0.0833	0.0833	ND	82	74	47 - 124	10	21	
Acenaphthene	**0.0667**	**0.0605**	0.0833	0.0833	ND	80	73	50 - 120	10	20	
Fluorene	**0.0671**	**0.0624**	0.0833	0.0833	ND	81	75	52 - 126	7	21	
Phenanthrene	**0.0708**	**0.0627**	0.0833	0.0833	ND	85	75	41 - 130	12	22	
Anthracene	**0.0641**	**0.0585**	0.0833	0.0833	ND	77	70	48 - 124	9	23	
Fluoranthene	**0.0758**	**0.0656**	0.0833	0.0833	ND	91	79	40 - 137	14	23	
Pyrene	**0.0756**	**0.0678**	0.0833	0.0833	ND	91	81	36 - 139	11	23	
Benzo[a]anthracene	**0.0629**	**0.0569**	0.0833	0.0833	ND	76	68	43 - 127	10	21	
Chrysene	**0.0656**	**0.0584**	0.0833	0.0833	ND	79	70	41 - 133	12	19	
Benzo[b]fluoranthene	**0.0674**	**0.0593**	0.0833	0.0833	ND	81	71	40 - 132	13	25	
Benzo[k]fluoranthene	**0.0674**	**0.0594**	0.0833	0.0833	ND	81	71	35 - 132	13	25	
Benzo[a]pyrene	**0.0654**	**0.0604**	0.0833	0.0833	ND	79	73	37 - 131	8	26	
Indeno(1,2,3-c,d)pyrene	**0.0744**	**0.0687**	0.0833	0.0833	ND	89	82	39 - 134	8	23	
Dibenz[a,h]anthracene	**0.0733**	**0.0679**	0.0833	0.0833	ND	88	82	40 - 137	8	21	
Benzo[g,h,i]perylene	**0.0702**	**0.0656**	0.0833	0.0833	ND	84	79	35 - 135	7	22	
Surrogate:											
2-Fluorobiphenyl						*76*	*69*	*43 - 109*			
Pyrene-d10						*84*	*78*	*38 - 128*			
Terphenyl-d14						*71*	*65*	*33 - 119*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-W**					
Laboratory ID:	03-229-04					
Naphthalene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
2-Methylnaphthalene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
1-Methylnaphthalene	**9.2**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthylene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Fluorene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Phenanthrene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Anthracene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Fluoranthene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Pyrene	**ND**	4.8	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]anthracene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Chrysene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[b]fluoranthene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[k]fluoranthene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]pyrene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.48	EPA 8270/SIM	3-28-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*62*	*38 - 105*				
Pyrene-d10	*80*	*37 - 121*				
Terphenyl-d14	*63*	*32 - 112*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W**					
Laboratory ID:	03-229-08					
Naphthalene	**27**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
2-Methylnaphthalene	**22**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
1-Methylnaphthalene	**18**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthylene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Fluorene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Phenanthrene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Anthracene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Fluoranthene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Pyrene	**ND**	9.6	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]anthracene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Chrysene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[b]fluoranthene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[k]fluoranthene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]pyrene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.96	EPA 8270/SIM	3-28-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*55*	*38 - 105*				
Pyrene-d10	*75*	*37 - 121*				
Terphenyl-d14	*72*	*32 - 112*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-W-D**					
Laboratory ID:	03-229-09					
Naphthalene	**42**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
2-Methylnaphthalene	**29**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
1-Methylnaphthalene	**23**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthylene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Acenaphthene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Fluorene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Phenanthrene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Anthracene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Fluoranthene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Pyrene	**ND**	9.5	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]anthracene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Chrysene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[b]fluoranthene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[k]fluoranthene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[a]pyrene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Dibenz[a,h]anthracene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Benzo[g,h,i]perylene	**ND**	0.95	EPA 8270/SIM	3-28-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*60*	*38 - 105*				
Pyrene-d10	*97*	*37 - 121*				
Terphenyl-d14	*75*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-28-11	3-30-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*78*	*38 - 105*				
Pyrene-d10	*98*	*37 - 121*				
Terphenyl-d14	*90*	*32 - 112*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PAHs by EPA 8270D/SIM
SB/SBD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.316**	**0.318**	0.500	0.500	63	64	38 - 110	1	35	
Acenaphthylene	**0.343**	**0.398**	0.500	0.500	69	80	47 - 120	15	30	
Acenaphthene	**0.345**	**0.390**	0.500	0.500	69	78	46 - 113	12	26	
Fluorene	**0.442**	**0.353**	0.500	0.500	88	71	60 - 104	22	25	
Phenanthrene	**0.368**	**0.403**	0.500	0.500	74	81	61 - 99	9	19	
Anthracene	**0.377**	**0.383**	0.500	0.500	75	77	55 - 122	2	19	
Fluoranthene	**0.424**	**0.441**	0.500	0.500	85	88	58 - 129	4	18	
Pyrene	**0.394**	**0.412**	0.500	0.500	79	82	57 - 126	4	22	
Benzo[a]anthracene	**0.343**	**0.382**	0.500	0.500	69	76	51 - 124	11	18	
Chrysene	**0.336**	**0.378**	0.500	0.500	67	76	53 - 123	12	20	
Benzo[b]fluoranthene	**0.387**	**0.441**	0.500	0.500	77	88	53 - 126	13	18	
Benzo[k]fluoranthene	**0.417**	**0.419**	0.500	0.500	83	84	51 - 126	0	23	
Benzo[a]pyrene	**0.335**	**0.384**	0.500	0.500	67	77	52 - 127	14	21	
Indeno(1,2,3-c,d)pyrene	**0.379**	**0.413**	0.500	0.500	76	83	49 - 123	9	26	
Dibenz[a,h]anthracene	**0.387**	**0.418**	0.500	0.500	77	84	39 - 125	8	31	
Benzo[g,h,i]perylene	**0.368**	**0.388**	0.500	0.500	74	78	40 - 125	5	30	
Surrogate:										
2-Fluorobiphenyl					*64*	*69*	*38 - 105*			
Pyrene-d10					*85*	*86*	*37 - 121*			
Terphenyl-d14					*72*	*73*	*32 - 112*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-39-0311-2.5**					
Laboratory ID:	03-229-01					
Aroclor 1016	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.15**	0.058	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*42-123*				
Client ID:	**KM-39-0311-2.5-D**					
Laboratory ID:	03-229-02					
Aroclor 1016	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.055	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.19**	0.055	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*42-123*				
Client ID:	**KM-39-0311-5**					
Laboratory ID:	03-229-03					
Aroclor 1016	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.053	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*42-123*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-41-0311-3**					
Laboratory ID:	03-229-06					
Aroclor 1016	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1221	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1232	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1242	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1248	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1254	**ND**	7.9	EPA 8082	3-25-11	3-31-11	
Aroclor 1260	**58**	7.9	EPA 8082	3-25-11	3-31-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*42-123*				S
Client ID:	**KM-41-0311-4.5**					
Laboratory ID:	03-229-07					
Aroclor 1016	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1221	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1232	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1242	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1248	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1254	**ND**	1.3	EPA 8082	3-25-11	3-31-11	
Aroclor 1260	**10**	1.3	EPA 8082	3-25-11	3-31-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*42-123*				S
Client ID:	**KM-42-0311-2**					
Laboratory ID:	03-229-10					
Aroclor 1016	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1221	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1232	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1242	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1248	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1254	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Aroclor 1260	**ND**	0.067	EPA 8082	3-25-11	3-31-11	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*105*	*42-123*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-42-0311-5**					
Laboratory ID:	03-229-11					
Aroclor 1016	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.058	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**0.53**	0.058	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*42-123*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325S1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*42-123*				
Laboratory ID:	MB0325S1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1221	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1232	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1242	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1248	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1254	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Aroclor 1260	**ND**	0.050	EPA 8082	3-25-11	3-31-11	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*105*	*42-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-217-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.450**	**0.451**	0.500	0.500	ND	**90**	**90**	44-125	0	15	
Surrogate:											
DCB						*91*	*91*	*42-123*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-0311-Rinsate**					
Laboratory ID:	03-229-05					
Aroclor 1016	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.10	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*36-127*				

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0325W1					
Aroclor 1016	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1221	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1232	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1242	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1248	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1254	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Aroclor 1260	**ND**	0.050	EPA 8082	3-25-11	3-25-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*36-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0325W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.378**	**0.397**	0.500	0.500	N/A	**76**	**79**	57-122	5	11	
Surrogate:											
DCB						*77*	*80*	*36-127*			

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-229-04					
Client ID:	**KM-39-0311-W**					
Arsenic	**17**	3.3	200.8	3-29-11	3-29-11	
Chromium	**ND**	11	200.8	3-29-11	3-29-11	
Lead	**2.9**	1.1	200.8	3-29-11	3-29-11	
Lab ID:	03-229-08					
Client ID:	**KM-41-0311-W**					
Arsenic	**11**	3.3	200.8	3-29-11	3-29-11	
Chromium	**ND**	11	200.8	3-29-11	3-29-11	
Lead	**60**	1.1	200.8	3-29-11	3-29-11	
Lab ID:	03-229-09					
Client ID:	**KM-41-0311-W-D**					
Arsenic	**11**	3.3	200.8	3-29-11	3-29-11	
Chromium	**ND**	11	200.8	3-29-11	3-29-11	
Lead	**66**	1.1	200.8	3-29-11	3-29-11	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-29-11
Date Analyzed:	3-29-11
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0329W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-29-11
Date Analyzed: 3-29-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-229-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**17.1**	**16.6**	3	3.3	
Chromium	**ND**	**ND**	NA	11	
Lead	**2.93**	**2.83**	3	1.1	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-29-11
Date Analyzed: 3-29-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-229-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**131**	104	**132**	104	0	
Chromium	110	**106**	96	**107**	97	1	
Lead	110	**119**	105	**121**	107	2	

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Date of Report: April 4, 2011
Samples Submitted: March 24, 2011
Laboratory Reference: 1103-229
Project: 0146970030

% MOISTURE

Date Analyzed: 3-25-11

Client ID	Lab ID	% Moisture
KM-39-0311-2.5	03-229-01	13
KM-39-0311-2.5-D	03-229-02	9
KM-39-0311-5	03-229-03	5
KM-41-0311-3	03-229-06	36
KM-41-0311-4.5	03-229-07	21
KM-42-0311-2	03-229-10	25
KM-42-0311-5	03-229-11	14

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 01469700 30
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: S. Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-229

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As/Pb/Cr	TCLP Metals	HEM (oil and grease) 1664						% Moisture
1	km-39-0311-2.5	3/24/11	0840	S	2		X						X	X												X
2	km-39-0311-2.5-D	3/24/11	0841	S	2		X						X	X												↓
3	km-39-0311-5	3/24/11	0843	S	2		X						X	X												↓
4	km-39-0311-W*	3/24/11	0935	W	13		X						X					X								
5	km-0311-Rinsate	3/24/11	0945	W	1									X												
6	km-41-0311-3	3/24/11	1016	S	5			X		X			X	X												X
7	km-41-0311-4.5	3/24/11	1020	S	5			X		X			X	X												↓
8	km-41-0311-W	3/24/11	1110	W	8			X		X			X					X								
9	km-41-0311-W-D	3/24/11	1115	W	8			X		X			X					X								
10	km-42-0311-2	3/24/11	1209	S	1									X												X

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/24/11	1530
Received		ONE	3/24/11	1530
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* Run for MS/MSD.

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

SAMPLE CHAIN OF CUSTODY

Send Report To Tasya Gray
Company AMEC Geomatrix
Address 600 University, 1020
City, State, ZIP Seattle WA
Phone # 206-342-1760 Fax #

SAMPLERS (signature)

PROJECT NAME/NO.: Kelly Moore 014 6970030

PO#

REMARKS: 03-229

TURNAROUND TIME
☒ Standard (2 Weeks)
☐ RUSH
Rush charges authorized by

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

	Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	PCB (8082)					Notes
11	KM-42-0311-5	11	3/24/11	1215	S	1							X					X % moisture
12	TB-032411	12	3/24/11		W	1				X								

3/24/11

3/24/11

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Shauna Mikelich	AMEC Geomatrix	3/24/11	1530
Received by:	MVOUN	OSE	3/24/11	1530
Relinquished by:				
Received by:				

FORMS\COC\COC.DOC

Sample/Cooler Receipt and Acceptance Checklist

Client: AMEC

Client Project Name/Number: 6146970030

OnSite Project Number: 03-229

Initiated by: JMV

Date Initiated: 3/24/11

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	**Yes**	No	N/A	1 2 3 4	
1.2 Were the custody seals intact?	**Yes**	No	N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	**Yes**	No	N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	Yes	No		1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	Temperature: 5		
1.6 Have shipping bills (if any) been attached to the back of this form?	**Yes**	N/A			
1.7 How were the samples delivered?	**Client**	**Courier**	**UPS/FedEx**	**OSE Pickup**	**Other**

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No	1 2 3 4	
2.2 Was the COC legible and written in permanent ink?	Yes	No	1 2 3 4	
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No	1 2 3 4	
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No	1 2 3 4	
2.5 Were all of the samples listed on the COC submitted?	Yes	No	1 2 3 4	
2.6 Were any of the samples submitted omitted from the COC?	Yes	No	1 2 3 4	

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No	1 2 3 4	
3.2 Were any sample labels missing or illegible?	Yes	No	1 2 3 4	
3.3 Have the correct containers been used for each analysis requested?	Yes	No	1 2 3 4	
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and air bubbles?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No	1 2 3 4	
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No	1 2 3 4	
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	1	N/A	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 6, 2011

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 00146970030
Laboratory Reference No. 1103-260

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on March 28, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

Case Narrative

Samples were collected on March 28, 2011 and received by the laboratory on March 28, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-05-0311**					
Laboratory ID:	03-260-02					
Benzene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
o-Xylene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Gasoline	**ND**	100	NWTPH-Gx	3-31-11	3-31-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*73-121*				
Client ID:	**KMW-03-0311**					
Laboratory ID:	03-260-03					
Benzene	**8.1**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**ND**	4.0	EPA 8021	4-4-11	4-4-11	
Ethyl Benzene	**3100**	50	EPA 8021	4-5-11	4-5-11	
m,p-Xylene	**18**	4.0	EPA 8021	4-4-11	4-4-11	
o-Xylene	**ND**	4.0	EPA 8021	4-4-11	4-4-11	
Gasoline	**7700**	400	NWTPH-Gx	4-4-11	4-4-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*73-121*				
Client ID:	**KMW-03-0311-D**					
Laboratory ID:	03-260-04					
Benzene	**8.4**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**ND**	4.0	EPA 8021	4-4-11	4-4-11	
Ethyl Benzene	**2700**	50	EPA 8021	4-5-11	4-5-11	
m,p-Xylene	**18**	4.0	EPA 8021	4-4-11	4-4-11	
o-Xylene	**ND**	4.0	EPA 8021	4-4-11	4-4-11	
Gasoline	**7000**	400	NWTPH-Gx	4-4-11	4-4-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*73-121*				
Client ID:	**KMW-02-0311**					
Laboratory ID:	03-260-05					
Gasoline	**ND**	100	NWTPH-Gx	3-31-11	3-31-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*73-121*				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

NWTPH-Gx/BTEX

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-0311**					
Laboratory ID:	03-260-06					
Gasoline	**ND**	100	NWTPH-Gx	3-31-11	3-31-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*73-121*				
Client ID:	**KMW-04-0311**					
Laboratory ID:	03-260-07					
Benzene	**10**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**7400**	100	EPA 8021	4-4-11	4-4-11	
Ethyl Benzene	**5700**	500	EPA 8021	4-5-11	4-5-11	
m,p-Xylene	**12000**	500	EPA 8021	4-5-11	4-5-11	
o-Xylene	**3400**	100	EPA 8021	4-4-11	4-4-11	
Gasoline	**75000**	10000	NWTPH-Gx	4-4-11	4-4-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*73-121*				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0331W2					
Benzene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Toluene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
m,p-Xylene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
o-Xylene	**ND**	1.0	EPA 8021	3-31-11	3-31-11	
Gasoline	**ND**	100	NWTPH-Gx	3-31-11	3-31-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*73-121*				
Laboratory ID:	MB0404W2					
Benzene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
Toluene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
m,p-Xylene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
o-Xylene	**ND**	1.0	EPA 8021	4-4-11	4-4-11	
Gasoline	**ND**	100	NWTPH-Gx	4-4-11	4-4-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*73-121*				
Laboratory ID:	MB0405W1					
Benzene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
Toluene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
Ethyl Benzene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
m,p-Xylene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
o-Xylene	**ND**	1.0	EPA 8021	4-5-11	4-5-11	
Gasoline	**ND**	100	NWTPH-Gx	4-5-11	4-5-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*73-121*				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-260-02										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*85*	*85*	*73-121*			
MATRIX SPIKES											
Laboratory ID:	03-260-02										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**50.6**	**52.1**	50.0	50.0	ND	**101**	**104**	82-120	3	8	
Toluene	**52.6**	**54.2**	50.0	50.0	ND	**105**	**108**	84-119	3	8	
Ethyl Benzene	**54.0**	**55.7**	50.0	50.0	ND	**108**	**111**	84-122	3	9	
m,p-Xylene	**52.5**	**53.7**	50.0	50.0	ND	**105**	**107**	85-121	2	9	
o-Xylene	**51.9**	**53.4**	50.0	50.0	ND	**104**	**107**	84-121	3	9	
Surrogate:											
Fluorobenzene						*93*	*98*	*73-121*			

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032811**					
Laboratory ID:	03-260-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloromethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Vinyl Chloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Acetone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Iodomethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Carbon Disulfide	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methylene Chloride	4.5	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Vinyl Acetate	ND	2.0	EPA 8260	4-1-11	4-1-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Butanone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Bromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroform	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Benzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Trichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Dibromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromodichloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	4-1-11	4-1-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Toluene	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TB-032811**					
Laboratory ID:	03-260-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Tetrachloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Hexanone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Dibromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Ethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
m,p-Xylene	ND	0.40	EPA 8260	4-1-11	4-1-11	
o-Xylene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Styrene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromoform	ND	1.0	EPA 8260	4-1-11	4-1-11	
Isopropylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Propylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
4-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
tert-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
sec-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Naphthalene	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*86*	*68-107*				
Toluene-d8	*91*	*73-102*				
4-Bromofluorobenzene	*87*	*65-104*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-0311**					
Laboratory ID:	03-260-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloromethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Vinyl Chloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Acetone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Iodomethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Carbon Disulfide	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methylene Chloride	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Vinyl Acetate	ND	2.0	EPA 8260	4-1-11	4-1-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
(cis) 1,2-Dichloroethene	0.26	0.20	EPA 8260	4-1-11	4-1-11	
2-Butanone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Bromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroform	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Benzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Trichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Dibromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromodichloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	4-1-11	4-1-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Toluene	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-0311**					
Laboratory ID:	03-260-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Tetrachloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Hexanone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Dibromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Ethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
m,p-Xylene	ND	0.40	EPA 8260	4-1-11	4-1-11	
o-Xylene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Styrene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromoform	ND	1.0	EPA 8260	4-1-11	4-1-11	
Isopropylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Propylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
4-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
tert-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
sec-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Naphthalene	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*81*	*68-107*				
Toluene-d8	*85*	*73-102*				
4-Bromofluorobenzene	*80*	*65-104*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-0311**					
Laboratory ID:	03-260-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloromethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Vinyl Chloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Acetone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Iodomethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Carbon Disulfide	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methylene Chloride	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Vinyl Acetate	ND	2.0	EPA 8260	4-1-11	4-1-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Butanone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Bromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroform	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Benzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Trichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Dibromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromodichloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	4-1-11	4-1-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Toluene	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-0311**					
Laboratory ID:	03-260-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Tetrachloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Hexanone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Dibromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Ethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
m,p-Xylene	ND	0.40	EPA 8260	4-1-11	4-1-11	
o-Xylene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Styrene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromoform	ND	1.0	EPA 8260	4-1-11	4-1-11	
Isopropylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Propylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
4-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
tert-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
sec-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Naphthalene	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*68-107*				
Toluene-d8	*91*	*73-102*				
4-Bromofluorobenzene	*87*	*65-104*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0401W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloromethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Vinyl Chloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Trichlorofluoromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Acetone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Iodomethane	ND	1.0	EPA 8260	4-1-11	4-1-11	
Carbon Disulfide	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methylene Chloride	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl t-Butyl Ether	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Vinyl Acetate	ND	2.0	EPA 8260	4-1-11	4-1-11	
2,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Butanone	ND	5.0	EPA 8260	4-1-11	4-1-11	
Bromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chloroform	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Carbon Tetrachloride	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Benzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Trichloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Dibromomethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromodichloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260	4-1-11	4-1-11	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Toluene	ND	1.0	EPA 8260	4-1-11	4-1-11	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260	4-1-11	4-1-11	

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0401W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Tetrachloroethene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Hexanone	ND	2.0	EPA 8260	4-1-11	4-1-11	
Dibromochloromethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromoethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Chlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
Ethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
m,p-Xylene	ND	0.40	EPA 8260	4-1-11	4-1-11	
o-Xylene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Styrene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromoform	ND	1.0	EPA 8260	4-1-11	4-1-11	
Isopropylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Bromobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichloropropane	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Propylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
2-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
4-Chlorotoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
tert-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
sec-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,3-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
p-Isopropyltoluene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,4-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
n-Butylbenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Hexachlorobutadiene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Naphthalene	ND	1.0	EPA 8260	4-1-11	4-1-11	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260	4-1-11	4-1-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*83*	*68-107*				
Toluene-d8	*92*	*73-102*				
4-Bromofluorobenzene	*87*	*65-104*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-260-06										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**9.29**	**9.21**	10.0	10.0	ND	93	92	70-130	1	12	
Benzene	**9.53**	**9.67**	10.0	10.0	ND	95	97	84-123	1	11	
Trichloroethene	**9.49**	**9.61**	10.0	10.0	ND	95	96	80-117	1	14	
Toluene	**9.71**	**9.68**	10.0	10.0	ND	97	97	87-115	0	12	
Chlorobenzene	**10.0**	**10.0**	10.0	10.0	ND	100	100	86-117	0	13	
Surrogate:											
Dibromofluoromethane						*87*	*82*	*68-107*			
Toluene-d8						*91*	*84*	*73-102*			
4-Bromofluorobenzene						*88*	*81*	*65-104*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-05-0311**					
Laboratory ID:	03-260-02					
Naphthalene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
2-Methylnaphthalene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*67*	*38 - 105*				
Pyrene-d10	*87*	*37 - 121*				
Terphenyl-d14	*83*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-03-0311**					
Laboratory ID:	03-260-03					
Naphthalene	**4.8**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
2-Methylnaphthalene	**0.37**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**0.25**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0096	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*52*	*38 - 105*				
Pyrene-d10	*64*	*37 - 121*				
Terphenyl-d14	*64*	*32 - 112*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-03-0311-D**					
Laboratory ID:	03-260-04					
Naphthalene	**5.7**	0.47	EPA 8270/SIM	3-30-11	4-4-11	
2-Methylnaphthalene	**0.37**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**0.25**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*59*	*38 - 105*				
Pyrene-d10	*62*	*37 - 121*				
Terphenyl-d14	*71*	*32 - 112*				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-02-0311**					
Laboratory ID:	03-260-05					
Naphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
2-Methylnaphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*66*	*38 - 105*				
Pyrene-d10	*84*	*37 - 121*				
Terphenyl-d14	*79*	*32 - 112*				

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-01-0311**					
Laboratory ID:	03-260-06					
Naphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
2-Methylnaphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*45*	*38 - 105*				
Pyrene-d10	*52*	*37 - 121*				
Terphenyl-d14	*49*	*32 - 112*				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KMW-04-0311**					
Laboratory ID:	03-260-07					
Naphthalene	**7.2**	0.58	EPA 8270/SIM	3-30-11	4-4-11	
2-Methylnaphthalene	**0.93**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
1-Methylnaphthalene	**0.56**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthylene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Acenaphthene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Fluorene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Phenanthrene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Anthracene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Fluoranthene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Pyrene	**ND**	0.12	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]anthracene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Chrysene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[b]fluoranthene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[k]fluoranthene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[a]pyrene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Dibenz[a,h]anthracene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Benzo[g,h,i]perylene	**ND**	0.012	EPA 8270/SIM	3-30-11	4-2-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*38*	*38 - 105*				
Pyrene-d10	*76*	*37 - 121*				
Terphenyl-d14	*71*	*32 - 112*				

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0330W1					
Naphthalene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Fluorene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Anthracene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Pyrene	**ND**	0.10	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Chrysene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	3-30-11	3-30-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*79*	*38 - 105*				
Pyrene-d10	*84*	*37 - 121*				
Terphenyl-d14	*79*	*32 - 112*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

PAHs by EPA 8270D/SIM
MS/MSD QUALITY CONTROL
(with silica gel clean-up)

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	03-260-02										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.332**	**0.336**	0.474	0.477	ND	70	70	38 - 110	1	25	
Acenaphthylene	**0.349**	**0.356**	0.474	0.477	ND	74	75	47 - 120	2	25	
Acenaphthene	**0.345**	**0.361**	0.474	0.477	ND	73	76	46 - 113	5	25	
Fluorene	**0.373**	**0.393**	0.474	0.477	ND	79	82	55 - 113	5	25	
Phenanthrene	**0.366**	**0.388**	0.474	0.477	ND	77	81	58 - 109	6	25	
Anthracene	**0.416**	**0.441**	0.474	0.477	ND	88	92	55 - 122	6	25	
Fluoranthene	**0.397**	**0.425**	0.474	0.477	ND	84	89	58 - 129	7	25	
Pyrene	**0.389**	**0.416**	0.474	0.477	ND	82	87	57 - 126	7	25	
Benzo[a]anthracene	**0.358**	**0.381**	0.474	0.477	ND	76	80	51 - 124	6	25	
Chrysene	**0.358**	**0.379**	0.474	0.477	ND	76	79	53 - 123	6	25	
Benzo[b]fluoranthene	**0.352**	**0.378**	0.474	0.477	ND	74	79	53 - 126	7	25	
Benzo[k]fluoranthene	**0.334**	**0.363**	0.474	0.477	ND	70	76	51 - 126	8	25	
Benzo[a]pyrene	**0.347**	**0.369**	0.474	0.477	ND	73	77	52 - 127	6	25	
Indeno(1,2,3-c,d)pyrene	**0.328**	**0.354**	0.474	0.477	ND	69	74	49 - 123	8	25	
Dibenz[a,h]anthracene	**0.316**	**0.339**	0.474	0.477	ND	67	71	39 - 125	7	25	
Benzo[g,h,i]perylene	**0.328**	**0.347**	0.474	0.477	ND	69	73	40 - 125	6	25	
Surrogate:											
2-Fluorobiphenyl						*70*	*69*	*38 - 105*			
Pyrene-d10						*87*	*91*	*37 - 121*			
Terphenyl-d14						*77*	*80*	*32 - 112*			

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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-260-02					
Client ID:	**KMW-05-0311**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	
Lab ID:	03-260-03					
Client ID:	**KMW-03-0311**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	
Lab ID:	03-260-04					
Client ID:	**KMW-03-0311-D**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	
Lab ID:	03-260-05					
Client ID:	**KMW-02-0311**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	
Lab ID:	03-260-06					
Client ID:	**KMW-01-0311**					
Arsenic	**ND**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-260-07					
Client ID:	**KMW-04-0311**					
Arsenic	**12**	3.3	200.8	3-30-11	3-30-11	
Chromium	**ND**	11	200.8	3-30-11	3-30-11	
Lead	**ND**	1.1	200.8	3-30-11	3-31-11	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-30-11
Date Analyzed:	3-30&31-11
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0330W3

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 3-30-11
Date Analyzed: 3-30&31-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-260-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Chromium	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 3-30-11
Date Analyzed: 3-30&31-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-260-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**109**	99	**110**	100	1	
Chromium	110	**120**	109	**120**	109	0	
Lead	110	**108**	98	**110**	100	2	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-260-02					
Client ID:	**KMW-05-0311**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-30-11	
Lab ID:	03-260-03					
Client ID:	**KMW-03-0311**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	
Lab ID:	03-260-04					
Client ID:	**KMW-03-0311-D**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	
Lab ID:	03-260-05					
Client ID:	**KMW-02-0311**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	
Lab ID:	03-260-06					
Client ID:	**KMW-01-0311**					
Arsenic	**ND**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-260-07					
Client ID:	**KMW-04-0311**					
Arsenic	**12**	3.0	200.8		3-30-11	
Chromium	**ND**	10	200.8		3-30-11	
Lead	**ND**	1.0	200.8		3-31-11	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Analyzed: 3-30-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0330D3

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.0
Chromium	200.8	**ND**	10
Lead	200.8	**ND**	1.0

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Analyzed: 3-30-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-260-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.0	
Chromium	**ND**	**ND**	NA	10	
Lead	**ND**	**ND**	NA	1.0	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 6, 2011
Samples Submitted: March 28, 2011
Laboratory Reference: 1103-260
Project: 00146970030

DISSOLVED METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Analyzed: 3-30-11

Matrix: Water
Units: ug/L (ppb)

Lab ID: 03-260-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	200	**211**	105	**208**	104	1	
Chromium	200	**209**	105	**209**	104	0	
Lead	200	**192**	96	**190**	95	1	

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 00146970030
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Shauna Mikelich

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
(TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 03-260

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260B	Halogenated Volatiles 8260B	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081A	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA / MTCA Metals (circle one) As, Pb, Cr-Total	TCLP Metals	HEM (oil and grease) 1664	Dissolved Metals ** As Pb						% Moisture
1	TB-032811	3/28/11	—	W	1					X								X									
2*	KMW-05-0311*	3/28/11	9:05	W	14		X						X					X			X						
3	KMW-03-0311	3/28/11	1015	W	6		X						X					X			X						
4	KMW-03-0311-D	3/28/11	1018	W	6		X						X					X			X						
5	KMW-02-0311	3/28/11	1245	W	9			X		X			X					X			X						
~~—~~	~~KMW-04-0311~~	~~3/28/11~~																									
6	KMW-01-0311	3/28/11	1350	W	9			X		X			X					X			X						
7	KMW-04-0311	3/28/11	1502	W	6		X						X					X			X						

AM 3/28/11

	Signature	Company	Date	Time
Relinquished		AMEC Geomatrix	3/28/11	1738
Received		CORE	3/28/11	1738
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*KMW-05-0311 → Extra Volume for MS/MSD
** - Field Filtered

Chromatograms with final report ☐

Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

Memo

To:	Natasya Gray	Project:	0146970040.00001
From:	Crystal Neirby	cc:	Project File
Date:	September 2, 2010		

Subject: Kelly Moore Paints – Soil and Groundwater Sampling – August 2010
Summary Data Quality Review – SDG 1008-175

This memorandum presents a summary data quality review for analyses of 15 primary soil samples, four primary groundwater samples, and one trip blank collected on August 23 and 24, 2010. The samples were submitted to OnSite Environmental, Inc. (OnSite), a laboratory located in Redmond, Washington, and accredited by the Washington State Department of Ecology (Ecology). The soil and groundwater samples were analyzed for the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Ecology Method NWTPH-Gx;
- TPH as diesel extended by Ecology Method NWTPH-Dx (with acid and silica gel cleanup);
- Volatile organic compounds (VOCs) by EPA Method 8260B;
- Semivolatile organic compounds (SVOCs) by EPA Method 8270 with polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 with selective ion monitoring (SIM);
- Total metals (Resource Conservation and Recovery Act [RCRA] list of eight metals) by EPA Method 6010B for soil samples and EPA Method 200.8 for water samples, with mercury analyzed using EPA Method 7471A for soil samples and EPA Method 7470A for water samples; and
- Polychlorinated biphenyls (PCBs) (soil samples only) by EPA Method 8082.

The samples collected, the laboratory sample ID, and matrix as well as a summary of the data quality review are presented in Table 1 (attached). Some samples were submitted and placed on hold, pending results of associated samples. The samples placed on hold are also listed in Table 1.

The samples were received within the acceptable temperature range of 4 ± 2°C, and there were no sample discrepancies noted by the laboratory upon receipt. Samples analyzed for TPH as gasoline and VOCs were collected according to EPA Method 5035A. As indicated by the laboratory, the samples were submitted in preweighted 40-milliliter (mL) vials within 48 hours of collection and stored frozen until extraction or analysis.

Data were reviewed in accordance with the appropriate method procedures. The most current control limits provided by the laboratory were used to evaluate the quality control data.

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600 University Street, Suite 1020
Seattle, Washington
USA 98101-4107
Tel (206) 342-1760
Fax (206) 342-1761
www.amecgeomatrixinc.com

The following were reviewed to assess compliance with applicable methods and the laboratory procedures: hold times; method blanks, blank spike (BS) and blank spike duplicate (BSD) results; matrix spike/matrix spike duplicate (MS/MSD) results; surrogate recoveries; laboratory duplicate results; and reporting limits. If data qualification was required, data were qualified in general accordance with the definitions and use of qualifying flags outlined in EPA guidance (EPA, 2004 and 2008).

Soil and groundwater samples were analyzed for TPH as gasoline, TPH as diesel, VOCs, SVOCs, PCBs, and total metals by the methods identified previously in this report and were evaluated for the following criteria.

1. Holding Times – Acceptable
2. Blanks – Acceptable
3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure.
4. MS/MSD – Acceptable

   Soil: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH as diesel, and VOCs. Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

   Water: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH as diesel, VOCs, and SVOCs. Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

   Total Metals by Method 200.8: The MS/MSD recoveries for copper and zinc were 132 and 136 percent, and 139 and 142 percent, respectively. The MS/MSD was performed with a sample not associated with this project. The laboratory did not provide BS or BSD results. Sample results are not qualified due to MS/MSD recoveries from a non-project sample.
5. Surrogates – Acceptable
6. Laboratory Duplicates – Acceptable

7. Reporting Limits and Laboratory Flags – Acceptable except as noted:

   TPH-Diesel by NWTPH-Dx: The laboratory indicated with a "U1" flag that the reporting limit for diesel-range organics in samples KM-22-7.0-0810 and KM-22-16.0-0810 were raised due to matrix interference. Diesel-range organics were not detected in the sample, and the result is not qualified.

   VOCs by EPA 8260: The laboratory flagged the 1,1,2,2-tetrachloroethane results in samples KM-22-7.0-0810, KM-23-9.0-0810 and KM-23-11.0-0810, with a U1 to indicate the reporting limits were raised due to matrix interference. The affected analytes were not detected in the samples, and the results were not qualified.

OVERALL ASSESSMENT OF DATA

The OnSite SDG 1008-175 is 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

EPA, 2004, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review: EPA 540-R-04-004, October.

EPA, 2008, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Sample ID	Laboratory Sample ID/Matrix	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-22-7.0-0810	08-175-01 soil	none			
KM-22-14.0-0810	08-175-02 soil	none			
KM-22-16.0-0810	08-175-03 water	none			
KM-24-7.5-0810	08-175-04 soil	none			
KM-24-11-0810	08-175-05 soil	none			
KM-23-9.0-0810	08-175-06 soil	none			
KM-23-11.0-0810	08-175-07 soil	none			
KM-23-16.0-0810	08-175-08 water	placed on hold			
KM-25-11.0-0810	08-175-09 soil	none			
KM-26-8.5-0810	08-175-10 soil	none			
KM-26-11.5-0810	08-175-11 soil	none			
KM-25-16.0-0810	08-175-12 water	none			
KM-27-8.5-0810	08-175-13 soil	none			
KM-27-11.0-0810	08-175-14 soil	none			
KM-28-9.0-0810	08-175-15 soil	none			
KM-28-11.0-0810	08-175-16 soil	none			
KM-27-16.0-0810	08-175-17 water	none			
KM-29-8.0-0810	08-175-18 soil	none			
KM-29-11.0-0810	08-175-19 soil	none			
KM-29-16.0-0810	08-175-20 water	none			
KM-D1-0810	08-175-21 soil	placed on hold			
KM-D2-0810	08-175-22 water	placed on hold			
Trip Blank	08-175-23	none			

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 2, 2010

Natasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 1008-175

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 24, 2010.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

Case Narrative

Samples were collected on August 23 and 24, 2010 and received by the laboratory on August 24, 2010. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatogram for sample KM-22-7.0-0810 is similar to mineral spirits with gas.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
Gasoline	**350**	7.6	NWTPH-Gx	8-30-10	8-30-10	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*55-127*				
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
Gasoline	**30**	13	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*55-127*				
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
Gasoline	**ND**	5.9	NWTPH-Gx	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*96*	*55-127*				
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
Gasoline	**ND**	6.9	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*55-127*				
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
Gasoline	**14**	5.4	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*55-127*				
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
Gasoline	**44**	6.5	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*55-127*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
Gasoline	**ND**	6.1	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*55-127*				
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
Gasoline	**ND**	5.2	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*55-127*				
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
Gasoline	**ND**	6.8	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*55-127*				
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
Gasoline	**ND**	5.4	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*55-127*				
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
Gasoline	**ND**	6.8	NWTPH-Gx	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*55-127*				
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
Gasoline	**ND**	5.7	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*55-127*				
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
Gasoline	**ND**	6.2	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*100*	*55-127*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
Gasoline	**ND**	5.6	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*55-127*				
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
Gasoline	**ND**	6.0	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*55-127*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830S1					
Gasoline	**ND**	5.0	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*55-127*				
Laboratory ID:	MB0830S2					
Gasoline	**ND**	5.0	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*99*	*55-127*				

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	08-175-01								
	ORIG	DUP							
Gasoline	**279**	**273**	NA	NA	NA	NA	2	30	
Surrogate:									
Fluorobenzene					*103* *105*	*55-127*			
Laboratory ID:	08-175-04								
	ORIG	DUP							
Gasoline	**ND**	**ND**	NA	NA	NA	NA	NA	30	
Surrogate:									
Fluorobenzene					*96* *99*	*55-127*			

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-16.0-0810**					
Laboratory ID:	08-175-03					
Gasoline	**91000**	1000	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*74-121*				
Client ID:	**KM-25-16.0-0810**					
Laboratory ID:	08-175-12					
Gasoline	**ND**	100	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*74-121*				
Client ID:	**KM-27-16.0-0810**					
Laboratory ID:	08-175-17					
Gasoline	**ND**	100	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*74-121*				
Client ID:	**KM-29-16.0-0810**					
Laboratory ID:	08-175-20					
Gasoline	**ND**	100	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*74-121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830W1					
Gasoline	**ND**	100	NWTPH-Gx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*74-121*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	08-222-11										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*91*	*74-121*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
Diesel Range Organics	**ND**	150	NWTPH-Dx	8-30-10	8-30-10	U1
Lube Oil	**290**	64	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*50-150*				
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
Diesel Range Organics	**ND**	29	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
Diesel Range Organics	**ND**	27	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
Diesel Range Organics	**ND**	30	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	61	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*103*	*50-150*				
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
Diesel Range Organics	**ND**	26	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	53	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*109*	*50-150*				
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
Diesel Range Organics	**ND**	29	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
Diesel Range Organics	**39**	28	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil	**100**	56	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*115*	*50-150*				
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
Diesel Range Organics	**ND**	26	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	52	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*112*	*50-150*				
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
Diesel Range Organics	**ND**	29	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
Diesel Range Organics	**ND**	27	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	53	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
Diesel Range Organics	**ND**	30	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
Diesel Range Organics	**ND**	28	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
Diesel Range Organics	**ND**	28	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
Diesel Range Organics	**ND**	27	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	53	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
Diesel Range Organics	**ND**	27	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	54	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*116*	*50-150*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
QUALITY CONTROL
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830S2					
Diesel Range Organics	**ND**	25	NWTPH-Dx	8-30-10	8-30-10	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	8-30-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	08-175-04							
	ORIG	DUP						
Diesel Range Organics	**ND**	**ND**				NA	NA	
Lube Oil Range Organics	**ND**	**ND**				NA	NA	
Surrogate:								
o-Terphenyl			*105*	*101*	*50-150*			
Laboratory ID:	08-175-05							
	ORIG	DUP						
Diesel Range Organics	**ND**	**ND**				NA	NA	
Lube Oil Range Organics	**ND**	**ND**				NA	NA	
Surrogate:								
o-Terphenyl			*103*	*113*	*50-150*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-16.0-0810**					
Laboratory ID:	08-175-03					
Diesel Range Organics	**ND**	1.4	NWTPH-Dx	8-27-10	8-27-10	U1
Lube Oil Range Organics	**ND**	0.43	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*113*	*50-150*				
Client ID:	**KM-25-16.0-0810**					
Laboratory ID:	08-175-12					
Diesel Range Organics	**ND**	0.27	NWTPH-Dx	8-27-10	8-27-10	
Lube Oil Range Organics	**ND**	0.43	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				
Client ID:	**KM-27-16.0-0810**					
Laboratory ID:	08-175-17					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	8-27-10	8-27-10	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				
Client ID:	**KM-29-16.0-0810**					
Laboratory ID:	08-175-20					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	8-27-10	8-27-10	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

NWTPH-Dx
QUALITY CONTROL
(with acid/silica gel clean-up)

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0827W1					
Diesel Range Organics	**ND**	0.13	NWTPH-Dx	8-27-10	8-27-10	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	8-27-10	8-27-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

Analyte	Result		Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE							
Laboratory ID:	08-175-20						
	ORIG	DUP					
Diesel Range Organics	**ND**	**ND**			NA	NA	
Lube Oil Range Organics	**ND**	**ND**			NA	NA	
Surrogate:							
o-Terphenyl			*110* *105*	*50-150*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-01
Client ID: KM-22-7.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.16		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	0.0071		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.023		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	0.0015		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-175-01
Client ID: KM-22-7.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.18		0.0012
m,p-Xylene	2.3		0.15
o-Xylene	0.0088		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.22		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND	U1	0.024
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	1.4		0.073
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.045		0.0012
tert-Butylbenzene	0.0026		0.0012
1,2,4-Trimethylbenzene	0.10		0.0012
sec-Butylbenzene	0.023		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	0.0068		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	0.0051		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	66-128
Toluene-d8	94	68-126
4-Bromofluorobenzene	81	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-02
Client ID: KM-22-14.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.067
Chloromethane	ND		0.34
Vinyl Chloride	ND		0.067
Bromomethane	ND		0.067
Chloroethane	ND		0.34
Trichlorofluoromethane	ND		0.067
1,1-Dichloroethene	ND		0.067
Acetone	ND		0.34
Iodomethane	ND		0.34
Carbon Disulfide	ND		0.067
Methylene Chloride	ND		0.34
(trans) 1,2-Dichloroethene	ND		0.067
Methyl t-Butyl Ether	ND		0.067
1,1-Dichloroethane	ND		0.067
Vinyl Acetate	ND		0.34
2,2-Dichloropropane	ND		0.067
(cis) 1,2-Dichloroethene	ND		0.067
2-Butanone	ND		0.34
Bromochloromethane	ND		0.067
Chloroform	ND		0.067
1,1,1-Trichloroethane	ND		0.067
Carbon Tetrachloride	ND		0.067
1,1-Dichloropropene	ND		0.067
Benzene	ND		0.067
1,2-Dichloroethane	ND		0.067
Trichloroethene	ND		0.067
1,2-Dichloropropane	ND		0.067
Dibromomethane	ND		0.067
Bromodichloromethane	ND		0.067
2-Chloroethyl Vinyl Ether	ND		0.34
(cis) 1,3-Dichloropropene	ND		0.067
Methyl Isobutyl Ketone	ND		0.34
Toluene	ND		0.34
(trans) 1,3-Dichloropropene	ND		0.067

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-175-02
Client ID: KM-22-14.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.067
Tetrachloroethene	ND		0.067
1,3-Dichloropropane	ND		0.067
2-Hexanone	ND		0.34
Dibromochloromethane	ND		0.067
1,2-Dibromoethane	ND		0.067
Chlorobenzene	ND		0.067
1,1,1,2-Tetrachloroethane	ND		0.067
Ethylbenzene	1.9		0.067
m,p-Xylene	6.4		0.13
o-Xylene	2.5		0.067
Styrene	ND		0.067
Bromoform	ND		0.067
Isopropylbenzene	ND		0.067
Bromobenzene	ND		0.067
1,1,2,2-Tetrachloroethane	ND		0.067
1,2,3-Trichloropropane	ND		0.067
n-Propylbenzene	ND		0.067
2-Chlorotoluene	ND		0.067
4-Chlorotoluene	ND		0.067
1,3,5-Trimethylbenzene	ND		0.067
tert-Butylbenzene	ND		0.067
1,2,4-Trimethylbenzene	0.12		0.067
sec-Butylbenzene	ND		0.067
1,3-Dichlorobenzene	ND		0.067
p-Isopropyltoluene	ND		0.067
1,4-Dichlorobenzene	ND		0.067
1,2-Dichlorobenzene	ND		0.067
n-Butylbenzene	ND		0.067
1,2-Dibromo-3-chloropropane	ND		0.34
1,2,4-Trichlorobenzene	ND		0.067
Hexachlorobutadiene	ND		0.34
Naphthalene	ND		0.067
1,2,3-Trichlorobenzene	ND		0.067

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	66-128
Toluene-d8	95	68-126
4-Bromofluorobenzene	98	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-04
Client ID: KM-24-7.5-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0061
Toluene	ND		0.0061
(trans) 1,3-Dichloropropene	ND		0.0012

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Project: 14697

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Lab ID: 08-175-04
Client ID: KM-24-7.5-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	66-128
Toluene-d8	96	68-126
4-Bromofluorobenzene	94	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-05
Client ID:	**KM-24-11-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0060
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0060
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0060
Iodomethane	ND		0.0060
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0060
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0060
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0060
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0060
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0060
Toluene	ND		0.0060
(trans) 1,3-Dichloropropene	ND		0.0012

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Project: 14697

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Lab ID: 08-175-05
Client ID: KM-24-11-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0060
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0060
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0060
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	66-128
Toluene-d8	101	68-126
4-Bromofluorobenzene	98	53-134

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Project: 14697

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-06
Client ID: KM-23-9.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.067		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.012		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0061
Toluene	ND		0.0061
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-175-06
Client ID: KM-23-9.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.031		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND	U1	0.0060
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	0.043		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	0.0065		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	0.0028		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	66-128
Toluene-d8	99	68-126
4-Bromofluorobenzene	97	53-134

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-07
Client ID: KM-23-11.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.041		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 08-175-07
Client ID: KM-23-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.15		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND	U1	0.011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.19		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	0.0027		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	0.025		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	0.016		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	66-128
Toluene-d8	100	68-126
4-Bromofluorobenzene	97	53-134

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Laboratory Reference: 1008-175
Project: 14697

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-09
Client ID: KM-25-11.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0051
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0051
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.058		0.0051
Iodomethane	ND		0.0051
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0051
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0051
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	0.0088		0.0051
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0051
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0051
Toluene	ND		0.0051
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
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Project: 14697

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Lab ID: 08-175-09
Client ID: KM-25-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0051
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	0.0053		0.0021
o-Xylene	0.0022		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0051
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0051
Naphthalene	0.0021		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	83	66-128
Toluene-d8	92	68-126
4-Bromofluorobenzene	90	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-10
Client ID:	**KM-26-8.5-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0014
Chloromethane	ND		0.0072
Vinyl Chloride	ND		0.0014
Bromomethane	ND		0.0014
Chloroethane	ND		0.0072
Trichlorofluoromethane	ND		0.0014
1,1-Dichloroethene	ND		0.0014
Acetone	ND		0.0072
Iodomethane	ND		0.0072
Carbon Disulfide	ND		0.0014
Methylene Chloride	ND		0.0072
(trans) 1,2-Dichloroethene	ND		0.0014
Methyl t-Butyl Ether	ND		0.0014
1,1-Dichloroethane	ND		0.0014
Vinyl Acetate	ND		0.0072
2,2-Dichloropropane	ND		0.0014
(cis) 1,2-Dichloroethene	ND		0.0014
2-Butanone	ND		0.0072
Bromochloromethane	ND		0.0014
Chloroform	ND		0.0014
1,1,1-Trichloroethane	ND		0.0014
Carbon Tetrachloride	ND		0.0014
1,1-Dichloropropene	ND		0.0014
Benzene	ND		0.0014
1,2-Dichloroethane	ND		0.0014
Trichloroethene	ND		0.0014
1,2-Dichloropropane	ND		0.0014
Dibromomethane	ND		0.0014
Bromodichloromethane	ND		0.0014
2-Chloroethyl Vinyl Ether	ND		0.0072
(cis) 1,3-Dichloropropene	ND		0.0014
Methyl Isobutyl Ketone	ND		0.0072
Toluene	ND		0.0072
(trans) 1,3-Dichloropropene	ND		0.0014

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Lab ID: 08-175-10
Client ID: KM-26-8.5-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0014
Tetrachloroethene	ND		0.0014
1,3-Dichloropropane	ND		0.0014
2-Hexanone	ND		0.0072
Dibromochloromethane	ND		0.0014
1,2-Dibromoethane	ND		0.0014
Chlorobenzene	ND		0.0014
1,1,1,2-Tetrachloroethane	ND		0.0014
Ethylbenzene	ND		0.0014
m,p-Xylene	ND		0.0029
o-Xylene	ND		0.0014
Styrene	ND		0.0014
Bromoform	ND		0.0014
Isopropylbenzene	ND		0.0014
Bromobenzene	ND		0.0014
1,1,2,2-Tetrachloroethane	ND		0.0014
1,2,3-Trichloropropane	ND		0.0014
n-Propylbenzene	ND		0.0014
2-Chlorotoluene	ND		0.0014
4-Chlorotoluene	ND		0.0014
1,3,5-Trimethylbenzene	ND		0.0014
tert-Butylbenzene	ND		0.0014
1,2,4-Trimethylbenzene	ND		0.0014
sec-Butylbenzene	ND		0.0014
1,3-Dichlorobenzene	ND		0.0014
p-Isopropyltoluene	ND		0.0014
1,4-Dichlorobenzene	ND		0.0014
1,2-Dichlorobenzene	ND		0.0014
n-Butylbenzene	ND		0.0014
1,2-Dibromo-3-chloropropane	ND		0.0072
1,2,4-Trichlorobenzene	ND		0.0014
Hexachlorobutadiene	ND		0.0072
Naphthalene	ND		0.0014
1,2,3-Trichlorobenzene	ND		0.0014

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	66-128
Toluene-d8	96	68-126
4-Bromofluorobenzene	94	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-11
Client ID: KM-26-11.5-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0061
Toluene	ND		0.0061
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-175-11
Client ID: KM-26-11.5-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	66-128
Toluene-d8	98	68-126
4-Bromofluorobenzene	98	53-134

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Date of Report: September 2, 2010
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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-13
Client ID:	**KM-27-8.5-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.12		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.019		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-175-13
Client ID: KM-27-8.5-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	66-128
Toluene-d8	99	68-126
4-Bromofluorobenzene	101	53-134

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Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-14
Client ID: KM-27-11.0-0810

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0066
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0066
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	0.028		0.0066
Iodomethane	ND		0.0066
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0066
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0066
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0066
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0066
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0066
Toluene	ND		0.0066
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 08-175-14
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Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0066
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0026
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0066
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0066
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	66-128
Toluene-d8	103	68-126
4-Bromofluorobenzene	103	53-134

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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-15
Client ID:	**KM-28-9.0-0810**

Compound	**Results**	**Flags**	**PQL**
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0062
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0062
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.041		0.0062
Iodomethane	ND		0.0062
Carbon Disulfide	ND		0.0012
Methylene Chloride	0.013		0.0062
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0062
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.0092		0.0062
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0062
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0062
Toluene	ND		0.0062
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-175-15
Client ID: KM-28-9.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0062
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0062
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0062
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	83	66-128
Toluene-d8	95	68-126
4-Bromofluorobenzene	92	53-134

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

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Laboratory Reference: 1008-175
Project: 14697

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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-16
Client ID:	**KM-28-11.0-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	ND		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 08-175-16
Client ID: KM-28-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	66-128
Toluene-d8	100	68-126
4-Bromofluorobenzene	97	53-134

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-18
Client ID:	**KM-29-8.0-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0063
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0063
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0063
Iodomethane	ND		0.0063
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0063
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0063
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0063
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0063
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0063
Toluene	ND		0.0063
(trans) 1,3-Dichloropropene	ND		0.0013

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Lab ID: 08-175-18
Client ID: KM-29-8.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0063
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0063
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0063
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	66-128
Toluene-d8	95	68-126
4-Bromofluorobenzene	95	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
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Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-175-19
Client ID:	**KM-29-11.0-0810**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0064
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0064
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0064
Iodomethane	ND		0.0064
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0064
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0064
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0064
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0064
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0064
Toluene	ND		0.0064
(trans) 1,3-Dichloropropene	ND		0.0013

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Lab ID: 08-175-19
Client ID: KM-29-11.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0064
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0026
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0064
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0064
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	66-128
Toluene-d8	95	68-126
4-Bromofluorobenzene	93	53-134

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0827S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0827S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	66-128
Toluene-d8	100	68-126
4-Bromofluorobenzene	101	53-134

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0827S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0446	89	0.0458	92	70-130	
Benzene	0.0500	0.0410	82	0.0426	85	70-121	
Trichloroethene	0.0500	0.0419	84	0.0412	82	70-124	
Toluene	0.0500	0.0432	86	0.0427	85	70-123	
Chlorobenzene	0.0500	0.0458	92	0.0470	94	71-119	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	14	
Benzene	4	10	
Trichloroethene	2	12	
Toluene	1	12	
Chlorobenzene	3	9	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-175-03
Client ID:	**KM-22-16.0-0810**

Compound	**Results**	**Flags**	**PQL**
Dichlorodifluoromethane	ND		200
Chloromethane	ND		1000
Vinyl Chloride	ND		200
Bromomethane	ND		200
Chloroethane	ND		1000
Trichlorofluoromethane	ND		200
1,1-Dichloroethene	ND		200
Acetone	ND		5000
Iodomethane	ND		1000
Carbon Disulfide	ND		200
Methylene Chloride	ND		1000
(trans) 1,2-Dichloroethene	ND		200
Methyl t-Butyl Ether	ND		200
1,1-Dichloroethane	ND		200
Vinyl Acetate	ND		2000
2,2-Dichloropropane	ND		200
(cis) 1,2-Dichloroethene	ND		200
2-Butanone	ND		5000
Bromochloromethane	ND		200
Chloroform	ND		200
1,1,1-Trichloroethane	ND		200
Carbon Tetrachloride	ND		200
1,1-Dichloropropene	ND		200
Benzene	ND		200
1,2-Dichloroethane	ND		200
Trichloroethene	ND		200
1,2-Dichloropropane	ND		200
Dibromomethane	ND		200
Bromodichloromethane	ND		200
2-Chloroethyl Vinyl Ether	ND		1000
(cis) 1,3-Dichloropropene	ND		200
Methyl Isobutyl Ketone	ND		2000
Toluene	4700		1000
(trans) 1,3-Dichloropropene	ND		200

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Lab ID: 08-175-03
Client ID: KM-22-16.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		200
Tetrachloroethene	ND		200
1,3-Dichloropropane	ND		200
2-Hexanone	ND		2000
Dibromochloromethane	ND		200
1,2-Dibromoethane	ND		200
Chlorobenzene	ND		200
1,1,1,2-Tetrachloroethane	ND		200
Ethylbenzene	8900		200
m,p-Xylene	27000		400
o-Xylene	9000		200
Styrene	ND		200
Bromoform	ND		1000
Isopropylbenzene	ND		200
Bromobenzene	ND		200
1,1,2,2-Tetrachloroethane	ND		200
1,2,3-Trichloropropane	ND		200
n-Propylbenzene	ND		200
2-Chlorotoluene	ND		200
4-Chlorotoluene	ND		200
1,3,5-Trimethylbenzene	250		200
tert-Butylbenzene	ND		200
1,2,4-Trimethylbenzene	520		200
sec-Butylbenzene	ND		200
1,3-Dichlorobenzene	ND		200
p-Isopropyltoluene	ND		200
1,4-Dichlorobenzene	ND		200
1,2-Dichlorobenzene	ND		200
n-Butylbenzene	ND		200
1,2-Dibromo-3-chloropropane	ND		1000
1,2,4-Trichlorobenzene	ND		200
Hexachlorobutadiene	ND		200
Naphthalene	1000		1000
1,2,3-Trichlorobenzene	ND		200

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	71-126
Toluene-d8	83	76-116
4-Bromofluorobenzene	75	70-123

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
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Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-175-12
Client ID:	**KM-25-16.0-0810**

Compound	**Results**	**Flags**	**PQL**
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-175-12
Client ID: KM-25-16.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	73	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-175-17
Client ID:	**KM-27-16.0-0810**

Compound	**Results**	**Flags**	**PQL**
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-175-17
Client ID: KM-27-16.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	79	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-175-20
Client ID:	**KM-29-16.0-0810**

Compound	**Results**	**Flags**	**PQL**
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-175-20
Client ID: KM-29-16.0-0810

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	71-126
Toluene-d8	88	76-116
4-Bromofluorobenzene	82	70-123

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-25-10
Date Analyzed:	8-25-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-175-23
Client ID:	**Trip blank**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-175-23
Client ID: Trip blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	77	70-123

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 8-25-10
Date Analyzed: 8-25-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0825W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0825W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	82	70-123

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-25-10
Date Analyzed: 8-25-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0825W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	9.13	91	9.30	93	70-130	
Benzene	10.0	9.25	93	9.50	95	73-130	
Trichloroethene	10.0	10.0	100	10.1	101	79-122	
Toluene	10.0	9.44	94	9.68	97	80-121	
Chlorobenzene	10.0	9.98	100	10.1	101	83-116	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	15	
Benzene	3	14	
Trichloroethene	0	14	
Toluene	3	13	
Chlorobenzene	1	13	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
n-Nitrosodimethylamine	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.43	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**0.049**	0.043	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**0.051**	0.043	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	1.1	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Naphthalene	**0.024**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**0.0085**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**0.0097**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**0.0095**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.21	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**0.076**	0.043	EPA 8270	8-31-10	9-1-10	
Anthracene	**0.018**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**0.12**	0.043	EPA 8270	8-31-10	9-1-10	
Benzidine	**ND**	0.43	EPA 8270	8-31-10	9-1-10	
Pyrene	**0.14**	0.043	EPA 8270	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.43	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**0.075**	0.043	EPA 8270	8-31-10	9-1-10	
Chrysene	**0.093**	0.043	EPA 8270	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.043	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**0.079**	0.043	EPA 8270	8-31-10	9-1-10	
Benzo[k]fluoranthene	**0.075**	0.043	EPA 8270	8-31-10	9-1-10	
Benzo[a]pyrene	**0.089**	0.043	EPA 8270	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**0.053**	0.043	EPA 8270	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**0.020**	0.0085	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**0.064**	0.043	EPA 8270	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*61*	*22 - 107*				
Phenol-d6	*70*	*28 - 116*				
Nitrobenzene-d5	*70*	*25 - 111*				
2-Fluorobiphenyl	*65*	*35 - 108*				
2,4,6-Tribromophenol	*63*	*42 - 118*				
Terphenyl-d14	*67*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
n-Nitrosodimethylamine	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Pyridine	**ND**	0.39	EPA 8270	8-31-10	8-31-10	
Phenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Aniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Chlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Benzyl alcohol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
n-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Hexachloroethane	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Nitrobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Isophorone	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Nitrophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4-Dimethylphenol	**ND**	0.98	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Naphthalene	**0.20**	0.039	EPA 8270	8-31-10	8-31-10	
4-Chloroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Methylnaphthalene	**0.061**	0.039	EPA 8270	8-31-10	8-31-10	
1-Methylnaphthalene	**0.027**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Dimethylphthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,3-Dinitrobenzene	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Dibenzofuran	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Diethylphthalate	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
4-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Fluorene	**0.0088**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
n-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Hexachlorobenzene	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Pentachlorophenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
Phenanthrene	**0.061**	0.039	EPA 8270	8-31-10	8-31-10	
Anthracene	**0.0096**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Fluoranthene	**0.051**	0.039	EPA 8270	8-31-10	8-31-10	
Benzidine	**ND**	0.39	EPA 8270	8-31-10	8-31-10	
Pyrene	**0.063**	0.039	EPA 8270	8-31-10	8-31-10	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	8-31-10	8-31-10	
Benzo[a]anthracene	**0.016**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**0.020**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	8-31-10	8-31-10	
Benzo[b]fluoranthene	**0.013**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**0.013**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**0.015**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**0.011**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**0.014**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*38*	*22 - 107*				
Phenol-d6	*48*	*28 - 116*				
Nitrobenzene-d5	*27*	*25 - 111*				
2-Fluorobiphenyl	*56*	*35 - 108*				
2,4,6-Tribromophenol	*73*	*42 - 118*				
Terphenyl-d14	*71*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Pyridine	**ND**	0.37	EPA 8270	8-31-10	8-31-10	
Phenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Aniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Hexachloroethane	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Nitrobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Isophorone	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4-Dimethylphenol	**ND**	0.91	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Naphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Dibenzofuran	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Fluorene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	8-31-10	
Phenanthrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.37	EPA 8270	8-31-10	8-31-10	
Pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-31-10	8-31-10	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-31-10	8-31-10	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*62*	*22 - 107*				
Phenol-d6	*67*	*28 - 116*				
Nitrobenzene-d5	*63*	*25 - 111*				
2-Fluorobiphenyl	*70*	*35 - 108*				
2,4,6-Tribromophenol	*78*	*42 - 118*				
Terphenyl-d14	*85*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
n-Nitrosodimethylamine	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Pyridine	**ND**	0.40	EPA 8270	8-31-10	8-31-10	
Phenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Aniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Chlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Benzyl alcohol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
n-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Hexachloroethane	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Nitrobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Isophorone	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Nitrophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Naphthalene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Dimethylphthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,3-Dinitrobenzene	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Acenaphthylene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
Acenaphthene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Dibenzofuran	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Diethylphthalate	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
4-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Fluorene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
n-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Hexachlorobenzene	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Pentachlorophenol	**ND**	0.20	EPA 8270	8-31-10	8-31-10	
Phenanthrene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Fluoranthene	**0.023**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.40	EPA 8270	8-31-10	8-31-10	
Pyrene	**0.016**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	8-31-10	8-31-10	
Benzo[a]anthracene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**0.019**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	8-31-10	8-31-10	
Benzo[b]fluoranthene	**0.010**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0081	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*65*	*22 - 107*				
Phenol-d6	*67*	*28 - 116*				
Nitrobenzene-d5	*64*	*25 - 111*				
2-Fluorobiphenyl	*68*	*35 - 108*				
2,4,6-Tribromophenol	*78*	*42 - 118*				
Terphenyl-d14	*78*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
n-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.88	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**0.010**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**0.056**	0.035	EPA 8270	8-31-10	9-1-10	
Benzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Pyrene	**0.052**	0.035	EPA 8270	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**0.048**	0.035	EPA 8270	8-31-10	9-1-10	
Chrysene	**0.090**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**0.098**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[k]fluoranthene	**0.052**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[a]pyrene	**0.054**	0.035	EPA 8270	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**0.043**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**0.018**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**0.050**	0.035	EPA 8270	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*74*	*22 - 107*				
Phenol-d6	*83*	*28 - 116*				
Nitrobenzene-d5	*83*	*25 - 111*				
2-Fluorobiphenyl	*75*	*35 - 108*				
2,4,6-Tribromophenol	*68*	*42 - 118*				
Terphenyl-d14	*80*	*44 - 121*				

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Date of Report: September 2, 2010
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Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
n-Nitrosodimethylamine	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.38	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.96	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.38	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*22 - 107*				
Phenol-d6	*69*	*28 - 116*				
Nitrobenzene-d5	*68*	*25 - 111*				
2-Fluorobiphenyl	*68*	*35 - 108*				
2,4,6-Tribromophenol	*83*	*42 - 118*				
Terphenyl-d14	*81*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.93	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Naphthalene	**0.012**	0.0075	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**0.012**	0.0075	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**0.018**	0.0075	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**0.58**	0.037	EPA 8270	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**0.033**	0.0075	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**0.050**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluorene	**0.22**	0.037	EPA 8270	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**2.0**	0.037	EPA 8270	8-31-10	9-1-10	
Anthracene	**0.64**	0.037	EPA 8270	8-31-10	9-1-10	
Carbazole	**0.11**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**4.5**	0.19	EPA 8270	8-31-10	9-1-10	
Benzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Pyrene	**3.6**	0.19	EPA 8270	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**1.6**	0.037	EPA 8270	8-31-10	9-1-10	
Chrysene	**1.7**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**1.8**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[k]fluoranthene	**1.2**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[a]pyrene	**1.5**	0.037	EPA 8270	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**0.96**	0.037	EPA 8270	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**0.34**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**1.0**	0.037	EPA 8270	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*73*	*22 - 107*				
Phenol-d6	*81*	*28 - 116*				
Nitrobenzene-d5	*76*	*25 - 111*				
2-Fluorobiphenyl	*76*	*35 - 108*				
2,4,6-Tribromophenol	*68*	*42 - 118*				
Terphenyl-d14	*86*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
n-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.87	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**0.0078**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*41*	*22 - 107*				
Phenol-d6	*51*	*28 - 116*				
Nitrobenzene-d5	*40*	*25 - 111*				
2-Fluorobiphenyl	*54*	*35 - 108*				
2,4,6-Tribromophenol	*62*	*42 - 118*				
Terphenyl-d14	*77*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
n-Nitrosodimethylamine	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.39	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.97	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.19	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.39	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0078	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*48*	*22 - 107*				
Phenol-d6	*53*	*28 - 116*				
Nitrobenzene-d5	*45*	*25 - 111*				
2-Fluorobiphenyl	*52*	*35 - 108*				
2,4,6-Tribromophenol	*56*	*42 - 118*				
Terphenyl-d14	*59*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
n-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.88	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*72*	*22 - 107*				
Phenol-d6	*72*	*28 - 116*				
Nitrobenzene-d5	*68*	*25 - 111*				
2-Fluorobiphenyl	*68*	*35 - 108*				
2,4,6-Tribromophenol	*73*	*42 - 118*				
Terphenyl-d14	*75*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
n-Nitrosodimethylamine	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.40	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.99	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.20	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.40	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*68*	*22 - 107*				
Phenol-d6	*68*	*28 - 116*				
Nitrobenzene-d5	*66*	*25 - 111*				
2-Fluorobiphenyl	*66*	*35 - 108*				
2,4,6-Tribromophenol	*65*	*42 - 118*				
Terphenyl-d14	*70*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.92	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*78*	*22 - 107*				
Phenol-d6	*77*	*28 - 116*				
Nitrobenzene-d5	*74*	*25 - 111*				
2-Fluorobiphenyl	*73*	*35 - 108*				
2,4,6-Tribromophenol	*80*	*42 - 118*				
Terphenyl-d14	*86*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.92	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*22 - 107*				
Phenol-d6	*76*	*28 - 116*				
Nitrobenzene-d5	*71*	*25 - 111*				
2-Fluorobiphenyl	*72*	*35 - 108*				
2,4,6-Tribromophenol	*72*	*42 - 118*				
Terphenyl-d14	*79*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
n-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.89	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0071	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*83*	*22 - 107*				
Phenol-d6	*83*	*28 - 116*				
Nitrobenzene-d5	*78*	*25 - 111*				
2-Fluorobiphenyl	*77*	*35 - 108*				
2,4,6-Tribromophenol	*71*	*42 - 118*				
Terphenyl-d14	*88*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
n-Nitrosodimethylamine	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Pyridine	**ND**	0.36	EPA 8270	8-31-10	9-1-10	
Phenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Aniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Chlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Benzyl alcohol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
n-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Hexachloroethane	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Nitrobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Isophorone	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Nitrophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4-Dimethylphenol	**ND**	0.90	EPA 8270	8-31-10	9-1-10	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
4-Chloroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2-Nitroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Dimethylphthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
3-Nitroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
4-Nitrophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Dibenzofuran	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Diethylphthalate	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
4-Nitroaniline	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Fluorene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
n-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Hexachlorobenzene	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-10	9-1-10	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Anthracene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Carbazole	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Benzidine	**ND**	0.36	EPA 8270	8-31-10	9-1-10	
Pyrene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	8-31-10	9-1-10	
Benzo[a]anthracene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Chrysene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	8-31-10	9-1-10	
Benzo[b]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[a]pyrene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Benzo[g,h,i]perylene	**ND**	0.0072	EPA 8270/SIM	8-31-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*74*	*22 - 107*				
Phenol-d6	*76*	*28 - 116*				
Nitrobenzene-d5	*70*	*25 - 111*				
2-Fluorobiphenyl	*69*	*35 - 108*				
2,4,6-Tribromophenol	*64*	*42 - 118*				
Terphenyl-d14	*77*	*44 - 121*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0831S1					
n-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Pyridine	**ND**	0.33	EPA 8270	8-31-10	8-31-10	
Phenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Aniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
n-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Hexachloroethane	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Nitrobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Isophorone	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4-Dimethylphenol	**ND**	0.83	EPA 8270	8-31-10	8-31-10	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,3-Dinitrobenzene	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0831S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Dibenzofuran	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Diethylphthalate	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
n-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-31-10	8-31-10	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Carbazole	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Benzidine	**ND**	0.33	EPA 8270	8-31-10	8-31-10	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-31-10	8-31-10	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-31-10	8-31-10	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-31-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*55*	*22 - 107*				
Phenol-d6	*58*	*28 - 116*				
Nitrobenzene-d5	*55*	*25 - 111*				
2-Fluorobiphenyl	*59*	*35 - 108*				
2,4,6-Tribromophenol	*72*	*42 - 118*				
Terphenyl-d14	*79*	*44 - 121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-175-04										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.00**	**0.931**	1.33	1.33	ND	75	70	31 - 111	7	27	
2-Chlorophenol	**1.13**	**1.06**	1.33	1.33	ND	85	80	36 - 106	6	32	
1,4-Dichlorobenzene	**0.495**	**0.467**	0.667	0.667	ND	74	70	25 - 96	6	42	
n-Nitroso-di-n-propylamine	**0.462**	**0.428**	0.667	0.667	ND	69	64	37 - 107	8	36	
1,2,4-Trichlorobenzene	**0.478**	**0.436**	0.667	0.667	ND	72	65	29 - 101	9	31	
4-Chloro-3-methylphenol	**1.10**	**1.00**	1.33	1.33	ND	83	75	47 - 112	10	18	
Acenaphthene	**0.547**	**0.500**	0.667	0.667	ND	82	75	43 - 104	9	19	
4-Nitrophenol	**1.29**	**1.16**	1.33	1.33	ND	97	87	24 - 133	11	18	
2,4-Dinitrotoluene	**0.592**	**0.544**	0.667	0.667	ND	89	82	42 -117	8	19	
Pentachlorophenol	**1.23**	**1.12**	1.33	1.33	ND	92	84	25 - 135	9	20	
Pyrene	**0.600**	**0.567**	0.667	0.667	ND	90	85	29 - 129	6	29	
Surrogate:											
2-Fluorophenol						*70*	*66*	*22 - 107*			
Phenol-d6						*72*	*67*	*28 - 116*			
Nitrobenzene-d5						*70*	*65*	*25 - 111*			
2-Fluorobiphenyl						*73*	*68*	*35 - 108*			
2,4,6-Tribromophenol						*81*	*75*	*42 - 118*			
Terphenyl-d14						*85*	*78*	*44 - 121*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-16.0-0810**					
Laboratory ID:	08-175-03					
n-Nitrosodimethylamine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	4.8	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**3.6**	0.95	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**9.7**	0.95	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**20**	0.95	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Naphthalene	**22**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chloroaniline	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**1.3**	0.95	EPA 8270	8-25-10	8-27-10	
1-Methylnaphthalene	**0.76**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
3-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-16.0-0810**					
Laboratory ID:	08-175-03					
2,4-Dinitrophenol	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4-Nitrophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	4.8	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	4.8	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**0.15**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Anthracene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Carbazole	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Benzidine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Pyrene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Butylbenzylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**0.022**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Chrysene	**0.025**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**0.017**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[k]fluoranthene	**0.017**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[a]pyrene	**0.022**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**0.011**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[g,h,i]perylene	**0.015**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*14 - 95*				
Phenol-d6	*39*	*10 - 94*				
Nitrobenzene-d5	*71*	*34 - 118*				
2-Fluorobiphenyl	*75*	*40 - 111*				
2,4,6-Tribromophenol	*82*	*52 - 117*				
Terphenyl-d14	*78*	*57 - 114*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-16.0-0810**					
Laboratory ID:	08-175-12					
n-Nitrosodimethylamine	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Naphthalene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
4-Chloroaniline	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
1-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
3-Nitroaniline	**ND**	0.99	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-16.0-0810**					
Laboratory ID:	08-175-12					
2,4-Dinitrophenol	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
4-Nitrophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**0.12**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Anthracene	**ND**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Carbazole	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**0.17**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Benzidine	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Pyrene	**0.14**	0.099	EPA 8270/SIM	8-25-10	8-31-10	
Butylbenzylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	9.9	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**0.064**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Chrysene	**0.076**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**1.9**	0.99	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	0.99	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**0.054**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[k]fluoranthene	**0.051**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[a]pyrene	**0.061**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**0.035**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Dibenz[a,h]anthracene	**0.012**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[g,h,i]perylene	**0.039**	0.0099	EPA 8270/SIM	8-25-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*46*	*14 - 95*				
Phenol-d6	*35*	*10 - 94*				
Nitrobenzene-d5	*72*	*34 - 118*				
2-Fluorobiphenyl	*77*	*40 - 111*				
2,4,6-Tribromophenol	*78*	*52 - 117*				
Terphenyl-d14	*81*	*57 - 114*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-16.0-0810**					
Laboratory ID:	08-175-17					
n-Nitrosodimethylamine	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Naphthalene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
4-Chloroaniline	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
1-Methylnaphthalene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
3-Nitroaniline	**ND**	0.97	EPA 8270	8-25-10	8-27-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-16.0-0810**					
Laboratory ID:	08-175-17					
2,4-Dinitrophenol	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
4-Nitrophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	4.9	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Anthracene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Carbazole	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Benzidine	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Pyrene	**ND**	0.097	EPA 8270/SIM	8-25-10	8-31-10	
Butylbenzylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	9.7	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Chrysene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	0.97	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[g,h,i]perylene	**ND**	0.0097	EPA 8270/SIM	8-25-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*50*	*14 - 95*				
Phenol-d6	*38*	*10 - 94*				
Nitrobenzene-d5	*80*	*34 - 118*				
2-Fluorobiphenyl	*86*	*40 - 111*				
2,4,6-Tribromophenol	*92*	*52 - 117*				
Terphenyl-d14	*95*	*57 - 114*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-16.0-0810**					
Laboratory ID:	08-175-20					
n-Nitrosodimethylamine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	4.7	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Naphthalene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4-Chloroaniline	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
1-Methylnaphthalene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Hexachlorocyclopentadiene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
3-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-29-16.0-0810**					
Laboratory ID:	08-175-20					
2,4-Dinitrophenol	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4-Nitrophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
4,6-Dinitro-2-methylphenol	**ND**	4.7	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	4.7	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Anthracene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Carbazole	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Benzidine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Pyrene	**ND**	0.095	EPA 8270/SIM	8-25-10	8-31-10	
Butylbenzylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	9.5	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**0.012**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Chrysene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
bis(2-Ethylhexyl)phthalate	**7.1**	0.95	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	0.95	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**0.010**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[k]fluoranthene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[a]pyrene	**0.017**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Dibenz[a,h]anthracene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Benzo[g,h,i]perylene	**ND**	0.0095	EPA 8270/SIM	8-25-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*40*	*14 - 95*				
Phenol-d6	*31*	*10 - 94*				
Nitrobenzene-d5	*65*	*34 - 118*				
2-Fluorobiphenyl	*73*	*40 - 111*				
2,4,6-Tribromophenol	*80*	*52 - 117*				
Terphenyl-d14	*90*	*57 - 114*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0825W1					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Pyridine	**ND**	10	EPA 8270	8-25-10	8-27-10	
Phenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Aniline	**ND**	5.0	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Hexachloroethane	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Nitrobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Isophorone	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
4-Chloroaniline	**ND**	10	EPA 8270	8-25-10	8-27-10	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-25-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0825W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-25-10	8-27-10	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Dibenzofuran	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Diethylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-25-10	8-27-10	
n-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-25-10	8-27-10	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-25-10	8-27-10	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Carbazole	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Benzidine	**ND**	10	EPA 8270	8-25-10	8-27-10	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-25-10	8-30-10	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-25-10	8-27-10	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-25-10	8-27-10	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-25-10	8-30-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*57*	*14 - 95*				
Phenol-d6	*42*	*10 - 94*				
Nitrobenzene-d5	*85*	*34 - 118*				
2-Fluorobiphenyl	*83*	*40 - 111*				
2,4,6-Tribromophenol	*90*	*52 - 117*				
Terphenyl-d14	*88*	*57 - 114*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0825W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**21.9**	**19.1**	40.0	40.0	55	48	24 - 70	14	26	
2-Chlorophenol	**37.0**	**32.6**	40.0	40.0	93	82	36 - 116	13	28	
1,4-Dichlorobenzene	**16.2**	**14.8**	20.0	20.0	81	74	30 - 107	9	31	
n-Nitroso-di-n-propylamine	**17.7**	**15.6**	20.0	20.0	89	78	35 - 114	13	26	
1,2,4-Trichlorobenzene	**16.5**	**14.7**	20.0	20.0	83	74	29 - 108	12	29	
4-Chloro-3-methylphenol	**39.9**	**37.0**	40.0	40.0	100	93	56 - 108	8	17	
Acenaphthene	**17.4**	**16.2**	20.0	20.0	87	81	49 - 104	7	21	
4-Nitrophenol	**22.8**	**21.6**	40.0	40.0	57	54	17 - 86	5	23	
2,4-Dinitrotoluene	**18.7**	**17.6**	20.0	20.0	94	88	52 - 106	6	17	
Pentachlorophenol	**37.7**	**33.9**	40.0	40.0	94	85	45 - 110	11	24	
Pyrene	**17.2**	**16.7**	20.0	20.0	86	84	65 - 103	3	16	
Surrogate:										
2-Fluorophenol					*70*	*61*	*14 - 95*			
Phenol-d6					*52*	*46*	*10 - 94*			
Nitrobenzene-d5					*97*	*87*	*34 - 118*			
2-Fluorobiphenyl					*94*	*86*	*40 - 111*			
2,4,6-Tribromophenol					*99*	*93*	*52 - 117*			
Terphenyl-d14					*94*	*91*	*57 - 114*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-22-7.0-0810**					
Laboratory ID:	08-175-01					
Aroclor 1016	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1221	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1232	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1242	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1248	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1254	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Aroclor 1260	**ND**	0.064	EPA 8082	8-30-10	9-1-10	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*46-122*				
Client ID:	**KM-22-14.0-0810**					
Laboratory ID:	08-175-02					
Aroclor 1016	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.059	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*46-122*				
Client ID:	**KM-24-7.5-0810**					
Laboratory ID:	08-175-04					
Aroclor 1016	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-24-11-0810**					
Laboratory ID:	08-175-05					
Aroclor 1016	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.061	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*46-122*				
Client ID:	**KM-23-9.0-0810**					
Laboratory ID:	08-175-06					
Aroclor 1016	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*46-122*				
Client ID:	**KM-23-11.0-0810**					
Laboratory ID:	08-175-07					
Aroclor 1016	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-25-11.0-0810**					
Laboratory ID:	08-175-09					
Aroclor 1016	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.056	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*46-122*				
Client ID:	**KM-26-8.5-0810**					
Laboratory ID:	08-175-10					
Aroclor 1016	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.052	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*46-122*				
Client ID:	**KM-26-11.5-0810**					
Laboratory ID:	08-175-11					
Aroclor 1016	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.058	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-27-8.5-0810**					
Laboratory ID:	08-175-13					
Aroclor 1016	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.053	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*46-122*				
Client ID:	**KM-27-11.0-0810**					
Laboratory ID:	08-175-14					
Aroclor 1016	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1221	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1232	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1242	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1248	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1254	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Aroclor 1260	**ND**	0.059	EPA 8082	8-30-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*46-122*				
Client ID:	**KM-28-9.0-0810**					
Laboratory ID:	08-175-15					
Aroclor 1016	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.055	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-28-11.0-0810**					
Laboratory ID:	08-175-16					
Aroclor 1016	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1221	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1232	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1242	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1248	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1254	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Aroclor 1260	**ND**	0.055	EPA 8082	8-30-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*46-122*				
Client ID:	**KM-29-8.0-0810**					
Laboratory ID:	08-175-18					
Aroclor 1016	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1221	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1232	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1242	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1248	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1254	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Aroclor 1260	**ND**	0.053	EPA 8082	8-30-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*74*	*46-122*				
Client ID:	**KM-29-11.0-0810**					
Laboratory ID:	08-175-19					
Aroclor 1016	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1221	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1232	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1242	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1248	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1254	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Aroclor 1260	**ND**	0.054	EPA 8082	8-30-10	9-1-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*46-122*				

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0830S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1221	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1232	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1242	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1248	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1254	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Aroclor 1260	**ND**	0.050	EPA 8082	8-30-10	8-31-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*46-122*				
Laboratory ID:	MB0830S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1221	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1232	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1242	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1248	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1254	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Aroclor 1260	**ND**	0.050	EPA 8082	8-30-10	9-1-10	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*46-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-175-10										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.410**	**0.440**	0.500	0.500	ND	**82**	**88**	36-121	7	15	
Surrogate:											
DCB						*77*	*79*	*46-122*			

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-01					
Client ID:	**KM-22-7.0-0810**					
Arsenic	**ND**	13	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.64	6010B	8-31-10	8-31-10	
Chromium	**21**	0.64	6010B	8-31-10	8-31-10	
Copper	**86**	1.3	6010B	8-31-10	8-31-10	
Lead	**190**	6.4	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.32	7471A	8-30-10	8-30-10	
Nickel	**31**	3.2	6010B	8-31-10	8-31-10	
Zinc	**110**	3.2	6010B	8-31-10	8-31-10	
Lab ID:	08-175-02					
Client ID:	**KM-22-14.0-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.59	6010B	8-31-10	8-31-10	
Chromium	**8.1**	0.59	6010B	8-31-10	8-31-10	
Copper	**8.8**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	5.9	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.29	7471A	8-30-10	8-30-10	
Nickel	**6.9**	2.9	6010B	8-31-10	8-31-10	
Zinc	**18**	2.9	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-04					
Client ID:	**KM-24-7.5-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.55	6010B	8-31-10	8-31-10	
Chromium	**8.3**	0.55	6010B	8-31-10	8-31-10	
Copper	**10**	1.1	6010B	8-31-10	8-31-10	
Lead	**9.6**	5.5	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**8.9**	2.7	6010B	8-31-10	8-31-10	
Zinc	**29**	2.7	6010B	8-31-10	8-31-10	
Lab ID:	08-175-05					
Client ID:	**KM-24-11-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.61	6010B	8-31-10	8-31-10	
Chromium	**8.2**	0.61	6010B	8-31-10	8-31-10	
Copper	**8.1**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	6.1	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.30	7471A	8-30-10	8-30-10	
Nickel	**6.7**	3.0	6010B	8-31-10	8-31-10	
Zinc	**18**	3.0	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-06					
Client ID:	**KM-23-9.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.53	6010B	8-31-10	8-31-10	
Chromium	**8.6**	0.53	6010B	8-31-10	8-31-10	
Copper	**23**	1.1	6010B	8-31-10	8-31-10	
Lead	**20**	5.3	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.26	7471A	8-30-10	8-30-10	
Nickel	**9.2**	2.6	6010B	8-31-10	8-31-10	
Zinc	**36**	2.6	6010B	8-31-10	8-31-10	
Lab ID:	08-175-07					
Client ID:	**KM-23-11.0-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.58	6010B	8-31-10	8-31-10	
Chromium	**6.5**	0.58	6010B	8-31-10	8-31-10	
Copper	**9.6**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	5.8	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.29	7471A	8-30-10	8-30-10	
Nickel	**7.0**	2.9	6010B	8-31-10	8-31-10	
Zinc	**17**	2.9	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-09					
Client ID:	**KM-25-11.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.56	6010B	8-31-10	8-31-10	
Chromium	**31**	0.56	6010B	8-31-10	8-31-10	
Copper	**24**	1.1	6010B	8-31-10	8-31-10	
Lead	**32**	5.6	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.28	7471A	8-30-10	8-30-10	
Nickel	**14**	2.8	6010B	8-31-10	8-31-10	
Zinc	**34**	2.8	6010B	8-31-10	8-31-10	
Lab ID:	08-175-10					
Client ID:	**KM-26-8.5-0810**					
Arsenic	**ND**	10	6010B	8-31-10	8-31-10	
Cadmium	**1.9**	0.52	6010B	8-31-10	8-31-10	
Chromium	**7.3**	0.52	6010B	8-31-10	8-31-10	
Copper	**8.1**	1.0	6010B	8-31-10	8-31-10	
Lead	**ND**	5.2	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.26	7471A	8-30-10	8-30-10	
Nickel	**8.1**	2.6	6010B	8-31-10	8-31-10	
Zinc	**23**	2.6	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-11					
Client ID:	**KM-26-11.5-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.58	6010B	8-31-10	8-31-10	
Chromium	**5.8**	0.58	6010B	8-31-10	8-31-10	
Copper	**8.9**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	5.8	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.29	7471A	8-30-10	8-30-10	
Nickel	**5.8**	2.9	6010B	8-31-10	8-31-10	
Zinc	**14**	2.9	6010B	8-31-10	8-31-10	
Lab ID:	08-175-13					
Client ID:	**KM-27-8.5-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.53	6010B	8-31-10	8-31-10	
Chromium	**7.2**	0.53	6010B	8-31-10	8-31-10	
Copper	**8.8**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.3	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.26	7471A	8-30-10	8-30-10	
Nickel	**7.0**	2.6	6010B	8-31-10	8-31-10	
Zinc	**14**	2.6	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-14					
Client ID:	**KM-27-11.0-0810**					
Arsenic	**ND**	12	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.59	6010B	8-31-10	8-31-10	
Chromium	**6.5**	0.59	6010B	8-31-10	8-31-10	
Copper	**9.3**	1.2	6010B	8-31-10	8-31-10	
Lead	**ND**	5.9	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.30	7471A	8-30-10	8-30-10	
Nickel	**6.4**	3.0	6010B	8-31-10	8-31-10	
Zinc	**15**	3.0	6010B	8-31-10	8-31-10	
Lab ID:	08-175-15					
Client ID:	**KM-28-9.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.55	6010B	8-31-10	8-31-10	
Chromium	**6.8**	0.55	6010B	8-31-10	8-31-10	
Copper	**8.8**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.5	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**7.6**	2.7	6010B	8-31-10	8-31-10	
Zinc	**40**	2.7	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-16					
Client ID:	**KM-28-11.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.55	6010B	8-31-10	8-31-10	
Chromium	**6.0**	0.55	6010B	8-31-10	8-31-10	
Copper	**8.4**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.5	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**6.2**	2.7	6010B	8-31-10	8-31-10	
Zinc	**17**	2.7	6010B	8-31-10	8-31-10	
Lab ID:	08-175-18					
Client ID:	**KM-29-8.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.53	6010B	8-31-10	8-31-10	
Chromium	**7.0**	0.53	6010B	8-31-10	8-31-10	
Copper	**8.9**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.3	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**8.0**	2.7	6010B	8-31-10	8-31-10	
Zinc	**15**	2.7	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-19					
Client ID:	**KM-29-11.0-0810**					
Arsenic	**ND**	11	6010B	8-31-10	8-31-10	
Cadmium	**ND**	0.54	6010B	8-31-10	8-31-10	
Chromium	**7.3**	0.54	6010B	8-31-10	8-31-10	
Copper	**8.1**	1.1	6010B	8-31-10	8-31-10	
Lead	**ND**	5.4	6010B	8-31-10	8-31-10	
Mercury	**ND**	0.27	7471A	8-30-10	8-30-10	
Nickel	**7.6**	2.7	6010B	8-31-10	8-31-10	
Zinc	**14**	2.7	6010B	8-31-10	8-31-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-30&31-10
Date Analyzed:	8-30&31-10
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0830S4&MB0831S5

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-30&31-10
Date Analyzed: 8-30&31-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**6.83**	**5.69**	18	0.50	
Copper	**7.50**	**7.50**	NA	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**7.10**	**6.90**	3	2.5	
Zinc	**12.8**	**13.1**	2	2.5	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 8-30&31-10
Date Analyzed: 8-30&31-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-175-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**92.5**	92	**91.1**	91	2	
Cadmium	50	**44.8**	90	**44.8**	90	0	
Chromium	100	**101**	94	**101**	94	0	
Copper	50	**56.9**	99	**56.2**	97	1	
Lead	250	**235**	94	**233**	93	1	
Mercury	0.50	**0.492**	98	**0.480**	96	3	
Nickel	100	**101**	94	**101**	94	0	
Zinc	100	**106**	93	**105**	93	0	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-03					
Client ID:	**KM-22-16.0-0810**					
Arsenic	**17**	3.3	200.8	8-27-10	8-27-10	
Cadmium	**ND**	4.4	200.8	8-27-10	8-27-10	
Chromium	**ND**	11	200.8	8-27-10	8-27-10	
Copper	**25**	11	200.8	8-27-10	8-27-10	
Lead	**4.5**	1.1	200.8	8-27-10	8-27-10	
Mercury	**ND**	0.50	7470A	8-27-10	8-27-10	
Nickel	**ND**	22	200.8	8-27-10	8-27-10	
Zinc	**ND**	28	200.8	8-27-10	8-27-10	
Lab ID:	08-175-12					
Client ID:	**KM-25-16.0-0810**					
Arsenic	**13**	3.3	200.8	8-27-10	8-27-10	
Cadmium	**ND**	4.4	200.8	8-27-10	8-27-10	
Chromium	**28**	11	200.8	8-27-10	8-27-10	
Copper	**34**	11	200.8	8-27-10	8-27-10	
Lead	**19**	1.1	200.8	8-27-10	8-27-10	
Mercury	**ND**	0.50	7470A	8-27-10	8-27-10	
Nickel	**20**	22	200.8	8-27-10	8-27-10	
Zinc	**55**	28	200.8	8-27-10	8-27-10	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	08-175-17					
Client ID:	**KM-27-16.0-0810**					
Arsenic	**ND**	3.3	200.8	8-27-10	8-27-10	
Cadmium	**ND**	4.4	200.8	8-27-10	8-27-10	
Chromium	**ND**	11	200.8	8-27-10	8-27-10	
Copper	**ND**	11	200.8	8-27-10	8-27-10	
Lead	**ND**	1.1	200.8	8-27-10	8-27-10	
Mercury	**ND**	0.50	7470A	8-27-10	8-27-10	
Nickel	**ND**	22	200.8	8-27-10	8-27-10	
Zinc	**ND**	28	200.8	8-27-10	8-27-10	
Lab ID:	08-175-20					
Client ID:	**KM-29-16.0-0810**					
Arsenic	**8.6**	3.3	200.8	8-27-10	8-27-10	
Cadmium	**ND**	4.4	200.8	8-27-10	8-27-10	
Chromium	**ND**	11	200.8	8-27-10	8-27-10	
Copper	**ND**	11	200.8	8-27-10	8-27-10	
Lead	**1.6**	1.1	200.8	8-27-10	8-27-10	
Mercury	**ND**	0.50	7470A	8-27-10	8-27-10	
Nickel	**ND**	22	200.8	8-27-10	8-27-10	
Zinc	**ND**	28	200.8	8-27-10	8-27-10	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0827W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Nickel	200.8	**ND**	28
Zinc	200.8	**ND**	28

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-27-10
Date Analyzed:	8-27-10
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0827W1

Analyte	Method	Result	PQL
Mercury	7470A	**ND**	0.50

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-213-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**4.34**	**4.49**	4	3.3	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**ND**	**ND**	NA	11	
Copper	**24.2**	**24.6**	2	11	
Lead	**ND**	**ND**	NA	1.1	
Nickel	**ND**	**ND**	NA	28	
Zinc	**32.2**	**29.6**	8	28	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-205-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.50	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 200.8
MS/MSD QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-213-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**119**	104	**123**	108	4	
Cadmium	110	**110**	100	**115**	104	4	
Chromium	110	**108**	99	**113**	103	4	
Copper	110	**132**	98	**136**	101	3	
Lead	110	**107**	98	**110**	100	2	
Nickel	110	**112**	102	**118**	107	5	
Zinc	110	**139**	97	**142**	99	2	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

TOTAL METALS
EPA 7470A
MS/MSD QUALITY CONTROL

Date Extracted: 8-27-10
Date Analyzed: 8-27-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-205-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	12.5	**12.4**	99	**12.6**	101	2	

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Date of Report: September 2, 2010
Samples Submitted: August 24, 2010
Laboratory Reference: 1008-175
Project: 14697

% MOISTURE

Date Analyzed: 8-25-10

Client ID	Lab ID	% Moisture
KM-22-7.0-0810	08-175-01	22
KM-22-14.0-0810	08-175-02	15
KM-24-7.5-0810	08-175-04	9
KM-24-11-0810	08-175-05	18
KM-23-9.0-0810	08-175-06	5
KM-23-11.0-0810	08-175-07	13
KM-25-11.0-0810	08-175-09	11
KM-26-8.5-0810	08-175-10	4
KM-26-11.5-0810	08-175-11	14
KM-27-8.5-0810	08-175-13	6
KM-27-11.0-0810	08-175-14	16
KM-28-9.0-0810	08-175-15	9
KM-28-11.0-0810	08-175-16	9
KM-29-8.0-0810	08-175-18	6
KM-29-11.0-0810	08-175-19	7

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits with gas.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec Geomatrix
Project Number: 14697
Project Name: KellyMoore S. Warehouse
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days)
  (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-175

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX w/ CS	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	Total Metals (w/HNO3) EPA 200.8/7470A	HOLD	% Moisture
1	KM-22-7.0-0810	8/23/10	940	S	6		X	X			X		X						X		X
2	KM-22-14.0-0810		945	S	6		X	X			X		X						X		↓
3	KM-22-16.0-0810		1115	W	6		X	X			X								X		
4	KM-24-7.5-0810		1140	S	6		X	X			X		X						X		X
5	KM-24-11-0810		1145	S	6		X	X			X		X						X		↓
6	KM-23-9.0-0810		1215	S	6		X	X			X		X						X		
7	KM-23-11.0-0810		1220	S	6		X	X			X		X						X		↓
8	KM-23-16.0-0810		1320	W	6		X	X			X								X	X	
9	KM-25-11.0-0810		1410	S	6		X	X			X		X						X		X
10	KM-26-8.5-0810	↓	1440	S	6		X	X			X		X						X		↓

	Signature	Company	Date	Time
Relinquished by	Chris Brown	Amec	8/24/10	1300
Received by	Michael Wright	Speedy	8-24-10	1255
Relinquished by	Michael Wright	Speedy	8-24-10	1635
Received by		OSE	8/24/10	1635
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions: Metals: As, Cd, Cu, Cr, Pb, Ni, Hg, Zn

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days)
  (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-175

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX or CA	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	Total Metals (w/HNO3) EPA 200.8/7470A	% Moisture
11	KM-26-11.5-0810	8/23/10	1445	S	6		X	X	X		X		X						X	X
12	KM-25-16.0-0810	↓	1530	W	6		X	X	X		X		X						X	
13	KM-27-8.5-0810	8/24/10	830	S	6		X	X	X		X		X						X	X
14	KM-27-11.0-0810		840	S	6		X	X	X		X		X						X	↓
15	KM-28-9.0-0810		910	S	6		X	X	X		X		X						X	
16	KM-28-11.0-0810		915	S	6		X	X	X		X		X						X	↓
17	KM-27-16.0-0810		945	W	8		X	X	X		X		X						X	
18	KM-29-8.0-0810		1030	S	6		X	X	X		X		X						X	X
19	KM-29-11.0-0810		1045	S	6		X	X	X		X		X						X	↓
20	KM-29-16.0-0810	↓	1130	W	8		X	X	X		X		X						X	

	Signature	Company	Date	Time
Relinquished by		Amec	8/24/10	1300
Received by		Speedy	8-24-10	1255
Relinquished by		Speedy	8-24-10	1635
Received by		OSE	8/24/10	1635
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions: Metals: As, Cd, Cu, Cr, Pb, Ni, Hg, Zn

Chromatograms with final report ☐

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore S. Warehouse
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days)
  (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-175

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	Hold % Moisture
21	KM-D1-0810	8/24/10	1135	S	2														X
22	KM-D2-0810	↓	1140	W	1														X
23	Trip blank	—	—	W	4				X										

	Signature	Company	Date	Time
Relinquished by		Amec	8/24/10	1300
Received by		Speedy	8-24-10	1255
Relinquished by		Speedy	8-24-10	1635
Received by		OSE	8/24/10	1635
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions

Chromatograms with final report ☐

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Memo

To:	Natasya Gray	Project:	14697
From:	Crystal Neirby	cc:	Project File
Date:	December 9, 2009		

Subject: Kelly Moore Paints – Soil and Groundwater Sampling – October and November 2009
Summary Data Quality Review – SDGs 0910-109, 0910-185, 0910-228, 0910-238, 0910-238B, 0911-103, 0911-132, 0911-192

This memorandum presents a summary data quality review for analyses of 43 soil samples, one hardened resin sample, one concrete sample, two groundwater samples, and four trip blanks collected from October 13 through November 24, 2009. The samples were submitted to OnSite Environmental Inc. (OnSite), a Washington State Department of Ecology (Ecology)-accredited laboratory, located in Redmond, Washington. The analyses were performed in general accordance with methods specified in the U.S. Environmental Protection Agency's (EPA's) Test Methods for Evaluating Solid Waste (SW-846) (EPA, 2008a). The samples were analyzed for one or more of the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Washington State Department of Ecology (Ecology) Method NWTPH-Gx,
- TPH as diesel extended by Ecology Method NWTPH-Dx with acid wash and silica gel cleanup,
- Volatile organic compounds (VOCs) by EPA Method 8260B,
- Semivolatile organic compounds (SVOCs) by EPA Method 8270 with polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 with selective ion monitoring (SIM),
- Polychlorinated biphenyls (PCBs) by EPA Method 8082,
- Total metals (Resource Conservation and Recovery Act [RCRA] 8 list) by EPA Method 6010B for soil samples and EPA Method 200.8 for water samples, with mercury analyzed using EPA Method 7471A for soil samples and EPA Method 7470A for water samples, and
- Toxicity Characteristic Leaching Procedure (TCLP) metals by EPA Method 6010B.

The samples associated with each sample delivery group (SDG) and a summary of the data quality review are presented in Table 1 (attached).

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The samples were received within the acceptable temperature range of 4 ± 2°C, with the exception of samples received with SDG 0910-109, which were received at 22 °C. The sample was submitted the day of collection and results are not qualified due to the elevated temperature. There were no sample discrepancies noted by the laboratory upon receipt. Samples analyzed for TPH as gasoline and VOCs were collected according to EPA Method 5035A. As indicated by the laboratory, the samples were submitted in pre-weighed 40-milliliter (mL) vials within 48 hours of collection and stored frozen until extraction or analysis.

Data were reviewed in accordance with the appropriate method procedures. The most current control limits provided by the laboratory were used to evaluate the quality control data.

The following were reviewed to assess compliance with applicable methods and the laboratory procedures: hold times; method blanks, blank spike (BS) and blank spike duplicate (BSD) results; matrix spike/matrix spike duplicate (MS/MSD) results; surrogate recoveries; laboratory duplicate results; and reporting limits. If data qualification was required, data were qualified in general accordance with the definitions and use of qualifying flags outlined in EPA guidance (EPA, 2004 and 2008).

Soil and groundwater samples were analyzed for TPH as gasoline, TPH as diesel, VOCs, SVOCs, PCBs, and total and TCLP metals by the methods identified in the introduction to this report and were evaluated for the following criteria.

1. Holding Times – Acceptable
2. Blanks – Acceptable except as noted:

   VOCs by EPA 8260B
   Trip blanks were submitted with the samples in SDGs 0910-185, 0910-228, 0910-238, and 0911-103. Chloroform was detected in all of the trip blanks at concentrations ranging from 0.20 µg/L to 0.34 µg/L. Chloroform was not detected in any of the associated samples; therefore, sample results are not affected and are not qualified.
3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure.
4. MS/MSD – Acceptable except as noted:

   Metals by EPA 6010B

   SDG 0910-185: The MS/MSD associated with sample PCS-1 was performed with a sample not associated with project samples. The aluminum recovery was greater than the control limits; sample results are not qualified based on the MS/MSD results since it is not representative of project sample matrices.

SDG 0911-192: The MS/MSD was performed using sample Concrete-Bldg7-1109. The MS/MSD recoveries for lead were 69 percent and 66 percent, less than the control limit of 75-125 percent. The lead result in sample Concrete-Bldg7-1109 was qualified as estimated and flagged with a "J".

5. Surrogates – Acceptable except as noted:

SVOCs by EPA 8270C

0910-185: The surrogate 2,4,6-tribromophenol was recovered greater than the control limits of 44 to 121 percent in the following samples: Tank3-B-1009 at 130 percent, Product-W1Wall-1009 at 133 percent, Tank4-B-1009 at 139 percent, Tank6-B-1009 at 137 percent, and Product-W2Wall-1009 at 137 percent. The laboratory standard operating procedure allows for one surrogate to be outside of acceptance limits as long as the recovery is greater than 10%. Sample results were not qualified since the remaining surrogates in all samples were within the control limits. The surrogate 2-fluorobiphenyl was recovered at 22 percent in sample Product-GW-1009 and at 23 percent in the MS/MSD performed with the same sample. The laboratory standard operating procedure allows for one surrogate to be outside of acceptance limits as long as the recovery is greater than 10%. Additionally, the MS/MSD results were within the control limits. Sample results were not qualified since the remaining surrogates were within the control limits.

0910-238: The surrogate 2-fluorophenol was recovered at 16 percent in sample NW Pipe-2.0-1009, less than the control limit of 19 to 97 percent. Additionally, the surrogate nitrobenzene was recovered at 136 percent in sample NW Pipe-0.5-1009, greater than the control limit of 21 to 106 percent. The laboratory standard operating procedure allows for one surrogate to be outside of acceptance limits as long as the recovery is greater than 10%. Sample results were not qualified since the remaining surrogates in both samples were within the control limits.

0911-192: The surrogates 2-fluorophenol, phenol-d6, and nitrobenzene-d5 were not recovered in sample B7-Trench2-1109 due to high concentrations of co-eluting compounds. The concentrations were not high enough to require dilution; therefore, the sample results were qualified as estimated and flagged with a "J".

TPH as Gasoline by NWTPH-Gx

0911-192: The surrogate was not recovered for samples B7-Trench1-1109 and B7-Trench2-1109 due to the necessary high dilution required to overcome high gasoline concentrations. Sample results were not qualified.

VOCs by EPA 8260B

0910-185: The surrogate 4-bromobenzene was recovered at 158 percent in sample Product-W2Wall-1009, greater than the control limit of 54 to 130 percent. Detected compounds in the sample were qualified as estimated and flagged with a "J".

0910-228: The surrogate 4-bromobenzene was recovered at 157 percent in sample Containment-WWall-1009, greater than the control limit of 54-130 percent. Detected compounds in the sample were qualified as estimated and flagged with a "J".

0911-192: The surrogate 4-bromobenzene was recovered at 140 percent in sample B7-Trench1-1109, greater than the control limit of 54-130 percent. Detected compounds in the sample were qualified as estimated and flagged with a "J".

6. Laboratory Duplicates – Acceptable except as noted:

Metals by EPA 6010B

SDG 0910-109: The cadmium duplicate relative percent difference (RPD) was 24 percent, greater than the control limit of 20 percent. The primary and duplicate sample results were not five times greater than the reporting limit; therefore, the control limit is not applicable. The difference between the primary and duplicate is less than the value of the reporting limit which satisfies the alternate evaluation criteria.

SDG 0910-228: The nickel RPD was 23 percent, greater than the control limit of 20 percent. The primary and duplicate sample results were not five times greater than the reporting limit; therefore, the control limit is not applicable. The difference between the primary and duplicate is less than the value of the reporting limit which satisfies the alternate evaluation criteria.

SDGs 0911-103 and 0911-132: The lead duplicate RPD was 32 percent, greater than the control limit of 20 percent. The primary and duplicate sample results were not five times greater than the reporting limit; therefore, the control limit is not applicable. The difference between the primary and duplicate is less than the value of the reporting limit which satisfies the alternate evaluation criteria.

SDG 0911-192: The lead duplicate RPD was 38 percent, greater than the control limit of 20 percent. The affected sample result (Concrete-Bldg7-1109) was previously qualified due to MS/MSD recoveries, and no further qualification is required.

7. Reporting Limits and Laboratory Qualifiers – Acceptable except as noted:

<u>VOCs by EPA 8260B:</u>
<u>SDG 0911-103:</u> The laboratory noted that the internal standard, 1,4-dichlorobenzene-d4, for soil sample TP4-1-1109 did not meet acceptance criteria because of matrix interference. The sample was reanalyzed with similar results. The laboratory stated that compounds from bromobenzene onward should be considered estimates. The compounds are not further qualified and are reported as estimated and flagged with a "J."

SDG 0911-192: The laboratory noted that the internal standard, 1,4-dichlorobenzene-d4, for soil sample B7-Trench1-1109 was not within the criteria because of matrix interference. The sample was reanalyzed with similar results. The laboratory stated that compounds from bromobenzene onward should be considered estimates. The compounds are not further qualified and are reported as estimated and flagged with a "J.

OVERALL ASSESSMENT OF DATA

The OnSite SDGs 0910-109, 0910-185, 0910-228, 0910-238, 0910-238B, 0911-103, 0911-132, 0911-192 are 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

EPA (U.S. Environmental Protection Agency), 2008a, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846), Third Edition, September 1986; Final Update I, July 1992; Final Update IIA, August 1993; Final Update II, September 1994; Final Update IIB, January 1995; Final Update III, December 1996; Final Update IIIA, April 1998; Final Update IV, January 2008.

EPA, 2004, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review: EPA 540-R-04-004, October.

EPA, 2008a, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Matrix	SDG	Qualified Analyte	Qualified Result	Units	Qualifier Reason
Concrete Coating-101309	Hardened Resin	0910-109	none			
Tank3-B-1009	Soil	0910-185	none			
Product-W1 Wall-1009	Soil	0910-185	none			
Tank4-B-1009	Soil	0910-185	none			
Tank5-B-1009	Soil	0910-185	none			
Stockpile-P1	Soil	0910-185	none			
Tank6-B-1009	Soil	0910-185	none			
Stockpile-P2	Soil	0910-185	none			
Tank7-B-1009	Soil	0910-185	none			
Product-W2 Wall-1009	Soil	0910-185	acetone ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene sec-butylbenzene n-butylbenzene	0.51 J 0.082 J 1.4 J 0.51 J 0.19 J 0.18 J 0.24 J 0.19 J	mg/Kg	surrogate recovery
Product-GW-1009	Water	0910-185	none			
Stockpile-P3	Soil	0910-185	none			
Tank8-B-1009	Soil	0910-185	none			
PCS-1	Soil	0910-185	none			
Tank9-B-1009	Soil	0910-185	none			
Product-N Wall-1009	Soil	0910-185	none			
Product-E1 Wall-1009	Soil	0910-185	none			
Product-E2 Wall-1009	Soil	0910-185	none			
Stockpile-P4	Soil	0910-185	none			
Stockpile-P5	Soil	0910-185	none			
Product-S Wall-1009	Soil	0910-185	none			
Trip Blank	Trip Blank	0910-185	none			
Tank1-B-1009	Soil	0910-228	none			
Containment-S Wall-1009	Soil	0910-228	none			
Contain-GW-1009	Water	0910-228	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Matrix	SDG	Qualified Analyte	Qualified Result	Units	Qualifier Reason
Tank2-B-1009	Soil	0910-228	none			
Containment-N Wall-1009	Soil	0910-228	none			
Containment-E Wall-1009	Soil	0910-228	none			
Containment-W Wall-1009	Soil	0910-228	acetone benzene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene naphthalene	0.15 J 0.0020 J 0.072 J 0.25 J 0.11 J 0.044 J 0.047 J 0.029 J 0.0022 J 0.057 J 0.017 J 0.0040 J 0.013 J	mg/Kg	surrogate recovery
Pipe-1-1009	Soil	0910-228	none			
Stockpile-C1	Soil	0910-228	none			
PCS-2	Soil	0910-228	none			
Stockpile-C2	Soil	0910-228	none			
Stockpile-C3	Soil	0910-228	none			
Trip Blank	Trip Blank	0910-228	none			
NW Pipe-2.0-1009	Soil	0910-238 0910-238B	none			
NW Pipe-2.5-1009	Soil	0910-238 0910-238B	none			
NW Pipe-5.0-1009	Soil	0910-238	none			
NW Pipe-0.5-1009	Soil	0910-238 0910-238B	none			
Trip Blank	Trip Blank	0910-238	none			
TP4-8-1109	Soil	0911-103	none			
Product-W2b Wall-1109	Soil	0911-103	none			
Product-W1b Wall-1109	Soil	0911-103	none			
Tank4-B2-1109	Soil	0911-103	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Matrix	SDG	Qualified Analyte	Qualified Result	Units	Qualifier Reason
TP4-1-1109	Soil	0911-103	bromobenzene 1,1,2,2-tetrachloroethane 1,2,3-trichloropropane n-propylbenzene 2-chlorotoluene 4-chlorotoluene 1,3,5-trimethylbenzene tert-butylbenzene 1,2,4-trimethylbenzene sec-butylbenzene 1,3-dichlorobenzene p-isopropyltoluene 1,4-dichlorobenzene 1,2-dichlorobenzene n-butylbenzene 1,2-dibromo-3-chloropropane 1,2,4-trichlorobenzene hexachlorobutadiene naphthalene 1,2,3-trichlorobenzene	0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.0027 UJ 0.013 UJ 0.0027 UJ 0.013 UJ 0.0027 UJ 0.0027 UJ	mg/Kg	Internal standard recovery
Trip Blank	Trip Blank	0911-103	none			
Pipe C1-1109	Soil	0911-132	none			
Concrete-Bldg7-1109	Concrete	0911-192	lead	85 J	mg/Kg	MS/MSD recovery
B7-Trench1-1109	Soil	0911-192	toluene ethylbenzene m,p-xylene o-xylene isopropylbenzene n-propylbenzene 1,3,5-trimethylbenzene 1,2,4-trimethylbenzene sec-butylbenzene p-isopropyltoluene n-butylbenzene	11 J 1.8 J 17 J 3.6 J 1.4 J 4.8 J 20 J 62 J 2.2 J 3.0 J 10 J	mg/Kg	surrogate recovery
B7-Trench2-1109	Soil	0911-192	all SVOCs	J or UJ	mg/Kg	surrogate recoveries

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Matrix	SDG	Qualified Analyte	Qualified Result	Units	Qualifier Reason
B7-Trench3-1109	Soil	0911-192	bromobenzene	0.0012 UJ	mg/Kg	Internal standard recovery
			1,1,2,2-tetrachloroethane	0.0012 UJ		
			1,2,3-trichloropropane	0.0012 UJ		
			n-propylbenzene	0.0012 UJ		
			2-chlorotoluene	0.0012 UJ		
			4-chlorotoluene	0.0012 UJ		
			1,3,5-trimethylbenzene	0.0013 J		
			tert-butylbenzene	0.0012 UJ		
			1,2,4-trimethylbenzene	0.0018 J		
			sec-butylbenzene	0.0012 UJ		
			1,3-dichlorobenzene	0.0012 UJ		
			p-isopropyltoluene	0.0012 UJ		
			1,4-dichlorobenzene	0.0012 UJ		
			1,2-dichlorobenzene	0.0012 UJ		
			n-butylbenzene	0.0012 UJ		
			1,2-dibromo-3-chloropropane	0.0058 UJ		
			1,2,4-trichlorobenzene	0.0012 UJ		
			hexachlorobutadiene	0.0058 UJ		
			naphthalene	0.0012 UJ		
			1,2,3-trichlorobenzenene	0.0012 UJ		

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 2, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-185

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 23, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

Case Narrative
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Samples were collected on October 20, 21, and 22, 2009, and received by the laboratory on October 23, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA A cleanup levels are non-achievable for sample PCS-1 due to the necessary dilution of the sample.

The Matrix Spike/Matrix Spike Duplicate recoveries for Toluene are outside control limits possibly due to a non-homogenous sample. The Spike Blank/Spike Blank Duplicate is also reported with normal Toluene recoveries. This QC set affects samples Stockpile P4 and Stockpile P5.

Some MTCA Method A cleanup levels are non-achievable for samples Product-W1 Wall-1009, Tank6-B-1009, Product-W2 Wall-1009, and Product-N Wall-1009 due to the necessary dilution of the samples.

Surrogate Standard 4-Bromofluorobenzene is outside control limits for sample Product-W2 Wall-1009 due to the high concentration of co-eluting compounds.

Total Metals EPA 6020/7471A Analysis

For sample PCS-1, due to the high concentration of Aluminum in the QC sample, the amount spiked was insufficient for meaningful MS/MSD recovery data. The Spike Blank recovery was 94%.

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Case Narrative
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Semivolatiles EPA 8270D/SIM (soil) Analysis

Samples Tank 3-B-1009, Product-W1 Wall-1009, Tank 4-B-1009, Tank 6-B-1009 and Product-W2 Wall-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Semivolatiles EPA 8270D/SIM (water) Analysis

The MS/MSD pair and the sample Product-GW-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13				
Client ID:	**PCS-1**				
TPH-Gas	**490**	13	10-23-09	10-23-09	Z
Surrogate: Fluorobenzene	99%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1023S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	101%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-181-01 **Original**	10-181-01 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05				
Client ID:	**Stockpile-P1**				
TPH-Gas	**ND**	4.9	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-07				
Client ID:	**Stockpile-P2**				
TPH-Gas	**9.8**	4.9	10-26-09	10-26-09	
Surrogate: Fluorobenzene	91%	53-126			
Lab ID:	10-185-11				
Client ID:	**Stockpile-P3**				
TPH-Gas	**ND**	6.8	10-26-09	10-26-09	
Surrogate: Fluorobenzene	104%	53-126			
Lab ID:	10-185-18				
Client ID:	**Stockpile-P4**				
TPH-Gas	**ND**	5.3	10-26-09	10-26-09	
Surrogate: Fluorobenzene	93%	53-126			
Lab ID:	10-185-19				
Client ID:	**Stockpile-P5**				
TPH-Gas	**ND**	6.7	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-19 **Original**	10-185-19 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	95%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01				
Client ID:	**Tank3-B-1009**				
TPH-Gas	**ND**	6.7	10-26-09	10-26-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-02				
Client ID:	**Product-W1Wall-1009**				
TPH-Gas	**450**	6.7	10-26-09	10-26-09	Z
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-03				
Client ID:	**Tank4-B-1009**				
TPH-Gas	**36**	7.4	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	99%	53-126			
Lab ID:	10-185-04				
Client ID:	**Tank5-B-1009**				
TPH-Gas	**ND**	7.6	10-26-09	10-26-09	
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-06				
Client ID:	**Tank6-B-1009**				
TPH-Gas	**180**	6.2	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-08				
Client ID:	**Tank7-B-1009**				
TPH-Gas	**ND**	5.3	10-26-09	10-27-09	
Surrogate: Fluorobenzene	93%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-09				
Client ID:	**Product-W2Wall-1009**				
TPH-Gas	**3600**	140	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	87%	53-126			
Lab ID:	10-185-12				
Client ID:	**Tank8-B-1009**				
TPH-Gas	**ND**	7	10-26-09	10-27-09	
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-14				
Client ID:	**Tank9-B-1009**				
TPH-Gas	**28**	7.4	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	93%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-15				
Client ID:	**Product-NWall-1009**				
TPH-Gas	**100**	7.5	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	94%	53-126			
Lab ID:	10-185-16				
Client ID:	**Product-E1Wall-1009**				
TPH-Gas	**ND**	6.7	10-26-09	10-27-09	
Surrogate: Fluorobenzene	95%	53-126			
Lab ID:	10-185-17				
Client ID:	**Product-E2Wall-1009**				
TPH-Gas	**ND**	6.3	10-26-09	10-27-09	
Surrogate: Fluorobenzene	93%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-20				
Client ID:	**Product-SWall-1009**				
TPH-Gas	**9.8**	7.7	10-26-09	10-27-09	Z
Surrogate: Fluorobenzene	95%	53-126			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MD1026S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	95%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-18 **Original**	10-185-18 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	93%	98%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-185-19 **Original**	10-185-19 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	95%	96%		

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10				
Client ID:	**Product-GW-1009**				
TPH-Gas	**200000**	25000	10-26-09	10-26-09	
Surrogate: Fluorobenzene	97%	74-121			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1026W1

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 96%

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	10-185-10 **Original**	10-185-10 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**198000**	**186000**	6	
Surrogate Recovery:				
Fluorobenzene	97%	96%		

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13				
Client ID:	**PCS-1**				
Diesel Range	**ND**	28	10-23-09	10-23-09	Y
Lube Oil	**90**	56	10-23-09	10-23-09	Y
Surrogate: o-terphenyl	78%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1023S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	96%
Flags:	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-157-34	10-157-34 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	104%	71%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05				
Client ID:	**Stockpile-P1**				
Diesel Range	**ND**	27	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	53	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	123%	50-150			
Lab ID:	10-185-07				
Client ID:	**Stockpile-P2**				
Diesel Range	**ND**	26	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	52	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	56%	50-150			
Lab ID:	10-185-11				
Client ID:	**Stockpile-P3**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	111%	50-150			
Lab ID:	10-185-18				
Client ID:	**Stockpile-P4**				
Diesel Range	**ND**	26	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	52	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	115%	50-150			
Lab ID:	10-185-19				
Client ID:	**Stockpile-P5**				
Diesel Range	**ND**	27	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	54	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	110%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1027S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	119%
Flags:	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-185-19	10-185-19 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	110%	86%
Flags:	Y	Y

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01				
Client ID:	**Tank3-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	104%	50-150			
Lab ID:	10-185-02				
Client ID:	**Product-W1 Wall-1009**				
Diesel Range	**ND**	320	10-27-09	10-27-09	Y,U1
Lube Oil	**61**	55	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	125%	50-150			
Lab ID:	10-185-03				
Client ID:	**Tank4-B-1009**				
Diesel Range Organics	**ND**	36	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	64	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	114%	50-150			
Lab ID:	10-185-04				
Client ID:	**Tank5-B-1009**				
Diesel Range	**ND**	30	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	60	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	116%	50-150			
Lab ID:	10-185-06				
Client ID:	**Tank6-B-1009**				
Diesel Range Organics	**ND**	30	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	66%	50-150			

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Samples Submitted: October 23, 2009
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NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-08				
Client ID:	**Tank7-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	57	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	96%	50-150			
Lab ID:	10-185-09				
Client ID:	**Product-W2 Wall-1009**				
Diesel Range	**ND**	1500	10-27-09	10-27-09	Y,U1
Lube Oil	**62**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	103%	50-150			
Lab ID:	10-185-12				
Client ID:	**Tank8-B-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	59	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	95%	50-150			
Lab ID:	10-185-14				
Client ID:	**Tank9-B-1009**				
Diesel Range Organics	**ND**	88	10-27-09	10-27-09	Y,U1
Lube Oil Range	**ND**	61	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	103%	50-150			
Lab ID:	10-185-15				
Client ID:	**Product-N wall-1009**				
Diesel Range	**ND**	32	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	64	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	94%	50-150			

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NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-16				
Client ID:	**Product-E1 Wall-1009**				
Diesel Range	**ND**	28	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	56	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	106%	50-150			
Lab ID:	10-185-17				
Client ID:	**Product-E2 Wall-1009**				
Diesel Range	**ND**	29	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	58	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	88%	50-150			
Lab ID:	10-185-20				
Client ID:	**Product-S wall-1009**				
Diesel Range	**ND**	30	10-27-09	10-27-09	Y
Lube Oil Range	**ND**	61	10-27-09	10-27-09	Y
Surrogate: o-terphenyl	115%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1027S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	119%
Flags:	Y

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Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-185-18	10-185-18 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	115%	123%
Flags:	Y	Y

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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-27-09
Date Analyzed:	10-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-185-19	10-185-19 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	110%	86%
Flags:	Y	Y

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10				
Client ID:	**Product-GW-1009**				
Diesel Range	**ND**	1.8	10-23-09	10-23-09	Y,U1
Lube Oil	**0.45**	0.43	10-23-09	10-23-09	Y
Surrogate: o-terphenyl	89%	50-150			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB1023W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	90%
Flags:	Y

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NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-23-09
Date Analyzed:	10-23-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	10-185-10	10-185-10 DUP
Diesel Range:	**ND**	**ND**
PQL:	1.8	1.1
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	89%	87%
Flags:	Y,U1	Y,U1

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Pyridine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Phenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Aniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Isophorone	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Naphthalene	**0.0083**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Methylnaphthalene	**0.010**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
1-Methylnaphthalene	**0.0095**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
Acenaphthene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Fluorene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-23-09	10-23-09	
Phenanthrene	**0.046**	0.037	EPA 8270	10-23-09	10-23-09	
Anthracene	**ND**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Carbazole	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Fluoranthene	**0.057**	0.037	EPA 8270	10-23-09	10-23-09	
Benzidine	**ND**	0.37	EPA 8270	10-23-09	10-23-09	
Pyrene	**0.066**	0.037	EPA 8270	10-23-09	10-23-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-23-09	10-23-09	
Benzo[a]anthracene	**0.040**	0.037	EPA 8270	10-23-09	10-23-09	
Chrysene	**0.052**	0.037	EPA 8270	10-23-09	10-23-09	
bis(2-Ethylhexyl)phthalate	**0.051**	0.037	EPA 8270	10-23-09	10-23-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-23-09	10-23-09	
Benzo[b]fluoranthene	**0.077**	0.037	EPA 8270	10-23-09	10-23-09	
Benzo[k]fluoranthene	**0.016**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[a]pyrene	**0.044**	0.037	EPA 8270	10-23-09	10-23-09	
Indeno[1,2,3-cd]pyrene	**0.025**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Dibenz[a,h]anthracene	**0.010**	0.0074	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[g,h,i]perylene	**0.041**	0.037	EPA 8270	10-23-09	10-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*57*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*61*	*21 - 106*				
2-Fluorobiphenyl	*76*	*29 - 107*				
2,4,6-Tribromophenol	*105*	*44 - 121*				
Terphenyl-d14	*83*	*37 - 120*				

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SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1023S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Pyridine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Phenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Aniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Isophorone	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1023S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-23-09	10-23-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Carbazole	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzidine	**ND**	0.33	EPA 8270	10-23-09	10-23-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-23-09	10-23-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-23-09	10-23-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-23-09	10-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*66*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*74*	*29 - 107*				
2,4,6-Tribromophenol	*103*	*44 - 121*				
Terphenyl-d14	*84*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-13										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.00**	**1.02**	1.33	1.33	ND	75	77	38 - 97	2	30	
2-Chlorophenol	**1.06**	**1.09**	1.33	1.33	ND	80	82	28 - 102	3	38	
1,4-Dichlorobenzene	**0.499**	**0.534**	0.667	0.667	ND	75	80	14 - 84	7	41	
N-Nitroso-di-n-propylamine	**0.530**	**0.547**	0.667	0.667	ND	79	82	25 - 104	3	39	
1,2,4-Trichlorobenzene	**0.542**	**0.577**	0.667	0.667	ND	81	87	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.19**	**1.24**	1.33	1.33	ND	89	93	49 - 113	4	31	
Acenaphthene	**0.575**	**0.599**	0.667	0.667	ND	86	90	37 - 101	4	40	
4-Nitrophenol	**1.32**	**1.33**	1.33	1.33	ND	99	100	30 - 136	1	31	
2,4-Dinitrotoluene	**0.677**	**0.696**	0.667	0.667	ND	101	104	36 - 122	3	32	
Pentachlorophenol	**1.43**	**1.35**	1.33	1.33	ND	108	102	15 - 143	6	34	
Pyrene	**0.700**	**0.697**	0.667	0.667	0.0590	96	96	24 - 138	0	39	
Surrogate:											
2-Fluorophenol						*71*	*71*	*19 - 97*			
Phenol-d6						*68*	*68*	*22 - 108*			
Nitrobenzene-d5						*69*	*71*	*21 - 106*			
2-Fluorobiphenyl						*79*	*83*	*29 - 107*			
2,4,6-Tribromophenol						*113*	*111*	*44 - 121*			
Terphenyl-d14						*88*	*87*	*37 - 120*			

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P1**					
Laboratory ID:	10-185-05					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P1**					
Laboratory ID:	10-185-05					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.35	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.020**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.026**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.055**	0.035	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.011**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.023**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.018**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.0081**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.021**	0.0071	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*78*	*22 - 108*				
Nitrobenzene-d5	*76*	*21 - 106*				
2-Fluorobiphenyl	*87*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P2**					
Laboratory ID:	10-185-07					
N-Nitrosodimethylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P2**					
Laboratory ID:	10-185-07					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.34	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.34	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.014**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**0.036**	0.034	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.034	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.025**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.0070**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.011**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*69*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*113*	*44 - 121*				
Terphenyl-d14	*92*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P3**					
Laboratory ID:	10-185-11					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P3**					
Laboratory ID:	10-185-11					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.028**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.061**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.015**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.016**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.019**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*73*	*21 - 106*				
2-Fluorobiphenyl	*84*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P4**					
Laboratory ID:	10-185-18					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P4**					
Laboratory ID:	10-185-18					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.35	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.011**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**0.013**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**0.016**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.036**	0.035	EPA 8270	10-26-09	10-27-09	
Benzo[k]fluoranthene	**0.0076**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**0.015**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**0.012**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**0.014**	0.0069	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*78*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*106*	*44 - 121*				
Terphenyl-d14	*87*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P5**					
Laboratory ID:	10-185-19					
N-Nitrosodimethylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Stockpile-P5**					
Laboratory ID:	10-185-19					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.011**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.36	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.010**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**0.013**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**0.016**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.029**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**0.013**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**0.010**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**0.012**	0.0072	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*79*	*29 - 107*				
2,4,6-Tribromophenol	*118*	*44 - 121*				
Terphenyl-d14	*100*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	

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Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*116*	*44 - 121*				
Terphenyl-d14	*106*	*37 - 120*				

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Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-19										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.10**	**1.07**	1.33	1.33	ND	83	80	38 - 97	3	30	
2-Chlorophenol	**1.22**	**1.16**	1.33	1.33	ND	92	87	28 - 102	5	38	
1,4-Dichlorobenzene	**0.573**	**0.538**	0.667	0.667	ND	86	81	14 - 86	6	41	
N-Nitroso-di-n-propylamine	**0.494**	**0.474**	0.667	0.667	ND	74	71	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.608**	**0.574**	0.667	0.667	ND	91	86	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.32**	**1.22**	1.33	1.33	ND	99	92	49 - 113	8	31	
Acenaphthene	**0.599**	**0.587**	0.667	0.667	ND	90	88	37 - 101	2	40	
4-Nitrophenol	**1.57**	**1.53**	1.33	1.33	ND	118	115	30 - 136	3	31	
2,4-Dinitrotoluene	**0.736**	**0.730**	0.667	0.667	ND	110	109	36 - 122	1	32	
Pentachlorophenol	**1.33**	**1.29**	1.33	1.33	ND	100	97	15 - 143	3	34	
Pyrene	**0.700**	**0.704**	0.667	0.667	ND	105	106	24 - 138	1	39	
Surrogate:											
2-Fluorophenol						*83*	*79*	*19 - 97*			
Phenol-d6						*76*	*72*	*22 - 108*			
Nitrobenzene-d5						*76*	*70*	*21 - 106*			
2-Fluorobiphenyl						*84*	*82*	*29 - 107*			
2,4,6-Tribromophenol						*120*	*117*	*44 - 121*			
Terphenyl-d14						*102*	*100*	*37 - 120*			

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SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 3-B-1009**					
Laboratory ID:	10-185-01					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 3-B-1009**					
Laboratory ID:	10-185-01					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.010**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**0.010**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.10**	0.039	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.093**	0.039	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.061**	0.039	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.083**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.13**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.043**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.079**	0.039	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.067**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.020**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.080**	0.039	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*89*	*19 - 97*				
Phenol-d6	*84*	*22 - 108*				
Nitrobenzene-d5	*83*	*21 - 106*				
2-Fluorobiphenyl	*92*	*29 - 107*				
2,4,6-Tribromophenol	*130*	*44 - 121*				Q
Terphenyl-d14	*107*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1 Wall-1009**					
Laboratory ID:	10-185-02					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.014**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.071**	0.037	EPA 8270	10-26-09	10-26-09	
1-Methylnaphthalene	**0.039**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1 Wall-1009**					
Laboratory ID:	10-185-02					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.040**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.23**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.038**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.21**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.20**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.073**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.089**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.085**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.020**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.062**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.027**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.011**	0.0073	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.042**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*88*	*19 - 97*				
Phenol-d6	*82*	*22 - 108*				
Nitrobenzene-d5	*78*	*21 - 106*				
2-Fluorobiphenyl	*90*	*29 - 107*				
2,4,6-Tribromophenol	*133*	*44 - 121*				Q
Terphenyl-d14	*106*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B-1009**					
Laboratory ID:	10-185-03					
N-Nitrosodimethylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.064**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.013**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.0086**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**0.056**	0.043	EPA 8270	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B-1009**					
Laboratory ID:	10-185-03					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.020**	0.0085	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.057**	0.043	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.33**	0.043	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.18**	0.043	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**1.5**	0.043	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.43	EPA 8270	10-26-09	10-26-09	
Pyrene	**2.0**	0.043	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.43	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.90**	0.043	EPA 8270	10-26-09	10-26-09	
Chrysene	**1.3**	0.043	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**1.7**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.53**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**1.8**	0.043	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**1.3**	0.043	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.068**	0.043	EPA 8270	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**1.7**	0.043	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*83*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*75*	*21 - 106*				
2-Fluorobiphenyl	*90*	*29 - 107*				
2,4,6-Tribromophenol	*139*	*44 - 121*				Q
Terphenyl-d14	*118*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 5-B-1009**					
Laboratory ID:	10-185-04					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 5-B-1009**					
Laboratory ID:	10-185-04					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.40	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*76*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*81*	*29 - 107*				
2,4,6-Tribromophenol	*119*	*44 - 121*				
Terphenyl-d14	*101*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 6-B-1009**					
Laboratory ID:	10-185-06					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.026**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.013**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.0085**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 6-B-1009**					
Laboratory ID:	10-185-06					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.010**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.022**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.10**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.090**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.017**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.061**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*90*	*19 - 97*				
Phenol-d6	*86*	*22 - 108*				
Nitrobenzene-d5	*81*	*21 - 106*				
2-Fluorobiphenyl	*95*	*29 - 107*				
2,4,6-Tribromophenol	*137*	*44 - 121*				Q
Terphenyl-d14	*108*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 7-B-1009**					
Laboratory ID:	10-185-08					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 7-B-1009**					
Laboratory ID:	10-185-08					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.0098**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.38	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.0096**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.011**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.014**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.024**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.013**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.0091**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.011**	0.0076	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*69*	*21 - 106*				
2-Fluorobiphenyl	*81*	*29 - 107*				
2,4,6-Tribromophenol	*120*	*44 - 121*				
Terphenyl-d14	*97*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2 Wall-1009**					
Laboratory ID:	10-185-09					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.0096**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.0076**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2 Wall-1009**					
Laboratory ID:	10-185-09					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.13**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.019**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.21**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.055**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.56**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.54**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.30**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.30**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.088**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.22**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.12**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.14**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*77*	*21 - 106*				
2-Fluorobiphenyl	*93*	*29 - 107*				
2,4,6-Tribromophenol	*137*	*44 - 121*				Q
Terphenyl-d14	*105*	*37 - 120*				

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 8-B-1009**					
Laboratory ID:	10-185-12					
N-Nitrosodimethylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 8-B-1009**					
Laboratory ID:	10-185-12					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.018**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.017**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.39	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.022**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**0.041**	0.039	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.066**	0.039	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.016**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**0.025**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.021**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.0093**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.024**	0.0078	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*73*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*114*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 9-B-1009**					
Laboratory ID:	10-185-14					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.024**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.0099**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 9-B-1009**					
Laboratory ID:	10-185-14					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.058**	0.037	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.14**	0.037	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
Carbazole	**0.041**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.28**	0.037	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.25**	0.037	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.086**	0.037	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**0.049**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.11**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.037**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.084**	0.037	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.052**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.015**	0.0074	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.069**	0.037	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*60*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*54*	*21 - 106*				
2-Fluorobiphenyl	*72*	*29 - 107*				
2,4,6-Tribromophenol	*119*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-N Wall-1009**					
Laboratory ID:	10-185-15					
N-Nitrosodimethylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Naphthalene	**0.028**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**0.019**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**0.012**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-N Wall-1009**					
Laboratory ID:	10-185-15					
2,4-Dinitrophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**0.025**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Fluorene	**0.050**	0.042	EPA 8270	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.21	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**0.75**	0.042	EPA 8270	10-26-09	10-26-09	
Anthracene	**0.064**	0.042	EPA 8270	10-26-09	10-26-09	
Carbazole	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**0.52**	0.042	EPA 8270	10-26-09	10-26-09	
Benzidine	**ND**	0.42	EPA 8270	10-26-09	10-26-09	
Pyrene	**0.44**	0.042	EPA 8270	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.42	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**0.16**	0.042	EPA 8270	10-26-09	10-26-09	
Chrysene	**0.23**	0.042	EPA 8270	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**0.18**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[k]fluoranthene	**0.063**	0.042	EPA 8270	10-26-09	10-26-09	
Benzo[a]pyrene	**0.13**	0.042	EPA 8270	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**0.062**	0.042	EPA 8270	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**0.024**	0.0084	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**0.079**	0.042	EPA 8270	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*64*	*19 - 97*				
Phenol-d6	*63*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*117*	*44 - 121*				
Terphenyl-d14	*95*	*37 - 120*				

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Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E1 Wall-1009**					
Laboratory ID:	10-185-16					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E1 Wall-1009**					
Laboratory ID:	10-185-16					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0075	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*72*	*19 - 97*				
Phenol-d6	*70*	*22 - 108*				
Nitrobenzene-d5	*65*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*104*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E2 Wall-1009**					
Laboratory ID:	10-185-17					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-E2 Wall-1009**					
Laboratory ID:	10-185-17					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.38	EPA 8270	10-26-09	10-27-09	
Pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*75*	*19 - 97*				
Phenol-d6	*70*	*22 - 108*				
Nitrobenzene-d5	*65*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*109*	*44 - 121*				
Terphenyl-d14	*98*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-5 Wall-1009**					
Laboratory ID:	10-185-20					
N-Nitrosodimethylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-5 Wall-1009**					
Laboratory ID:	10-185-20					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**0.017**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	0.41	EPA 8270	10-26-09	10-27-09	
Pyrene	**0.016**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	0.41	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	0.041	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**0.0088**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.0081	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*81*	*19 - 97*				
Phenol-d6	*77*	*22 - 108*				
Nitrobenzene-d5	*68*	*21 - 106*				
2-Fluorobiphenyl	*83*	*29 - 107*				
2,4,6-Tribromophenol	*120*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pyridine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Phenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Aniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Isophorone	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-26-09	10-26-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Carbazole	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-26-09	10-26-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-26-09	10-26-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-26-09	10-26-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*77*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*70*	*21 - 106*				
2-Fluorobiphenyl	*80*	*29 - 107*				
2,4,6-Tribromophenol	*116*	*44 - 121*				
Terphenyl-d14	*106*	*37 - 120*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-19										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**1.10**	**1.07**	1.33	1.33	ND	83	80	38 - 97	3	30	
2-Chlorophenol	**1.22**	**1.16**	1.33	1.33	ND	92	87	28 - 102	5	38	
1,4-Dichlorobenzene	**0.573**	**0.538**	0.667	0.667	ND	86	81	14 - 86	6	41	
N-Nitroso-di-n-propylamine	**0.494**	**0.474**	0.667	0.667	ND	74	71	25 - 104	4	39	
1,2,4-Trichlorobenzene	**0.608**	**0.574**	0.667	0.667	ND	91	86	23 - 93	6	37	
4-Chloro-3-methylphenol	**1.32**	**1.22**	1.33	1.33	ND	99	92	49 - 113	8	31	
Acenaphthene	**0.599**	**0.587**	0.667	0.667	ND	90	88	37 - 101	2	40	
4-Nitrophenol	**1.57**	**1.53**	1.33	1.33	ND	118	115	30 - 136	3	31	
2,4-Dinitrotoluene	**0.736**	**0.730**	0.667	0.667	ND	110	109	36 - 122	1	32	
Pentachlorophenol	**1.33**	**1.29**	1.33	1.33	ND	100	97	15 - 143	3	34	
Pyrene	**0.700**	**0.704**	0.667	0.667	ND	105	106	24 - 138	1	39	
Surrogate:											
2-Fluorophenol						*83*	*79*	*19 - 97*			
Phenol-d6						*76*	*72*	*22 - 108*			
Nitrobenzene-d5						*76*	*70*	*21 - 106*			
2-Fluorobiphenyl						*84*	*82*	*29 - 107*			
2,4,6-Tribromophenol						*120*	*117*	*44 - 121*			
Terphenyl-d14						*102*	*100*	*37 - 120*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-GW-1009**					
Laboratory ID:	10-185-10					
N-Nitrosodimethylamine	**ND**	10	EPA 8270	10-26-09	10-28-09	
Pyridine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Phenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
Aniline	**ND**	51	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroethyl)ether	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Chlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,3-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,4-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Benzyl alcohol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2-Dichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Methylphenol (o-Cresol)	**14**	10	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroisopropyl)ether	**ND**	10	EPA 8270	10-26-09	10-28-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	10	EPA 8270	10-26-09	10-28-09	
N-Nitroso-di-n-propylamine	**ND**	10	EPA 8270	10-26-09	10-28-09	
Hexachloroethane	**ND**	10	EPA 8270	10-26-09	10-28-09	
Nitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Isophorone	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Nitrophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dimethylphenol	**12**	10	EPA 8270	10-26-09	10-28-09	
bis(2-Chloroethoxy)methane	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2,4-Trichlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Naphthalene	**0.93**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4-Chloroaniline	**ND**	100	EPA 8270	10-26-09	10-28-09	
Hexachlorobutadiene	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Chloro-3-methylphenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Methylnaphthalene	**1.8**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
1-Methylnaphthalene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Hexachlorocyclopentadiene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4,6-Trichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3-Dichloroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4,5-Trichlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Chloronaphthalene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,4-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Dimethylphthalate	**32**	10	EPA 8270	10-26-09	10-28-09	
1,3-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,6-Dinitrotoluene	**ND**	10	EPA 8270	10-26-09	10-28-09	
1,2-Dinitrobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Acenaphthylene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
3-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-GW-1009**					
Laboratory ID:	10-185-10					
2,4-Dinitrophenol	**ND**	100	EPA 8270	10-26-09	10-28-09	
Acenaphthene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4-Nitrophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,4-Dinitrotoluene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Dibenzofuran	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3,5,6-Tetrachlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
2,3,4,6-Tetrachlorophenol	**ND**	10	EPA 8270	10-26-09	10-28-09	
Diethylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Chlorophenyl-phenylether	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Nitroaniline	**ND**	10	EPA 8270	10-26-09	10-28-09	
Fluorene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
4,6-Dinitro-2-methylphenol	**ND**	51	EPA 8270	10-26-09	10-28-09	
N-Nitrosodiphenylamine	**ND**	100	EPA 8270	10-26-09	10-28-09	
1,2-Diphenylhydrazine	**ND**	10	EPA 8270	10-26-09	10-28-09	
4-Bromophenyl-phenylether	**ND**	10	EPA 8270	10-26-09	10-28-09	
Hexachlorobenzene	**ND**	10	EPA 8270	10-26-09	10-28-09	
Pentachlorophenol	**ND**	51	EPA 8270	10-26-09	10-28-09	
Phenanthrene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Anthracene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Carbazole	**ND**	10	EPA 8270	10-26-09	10-28-09	
Di-n-butylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Fluoranthene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Benzidine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Pyrene	**ND**	0.51	EPA 8270/SIM	10-26-09	10-28-09	
Butylbenzylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
bis-2-Ethylhexyladipate	**ND**	10	EPA 8270	10-26-09	10-28-09	
3,3'-Dichlorobenzidine	**ND**	100	EPA 8270	10-26-09	10-28-09	
Benzo[a]anthracene	**0.30**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Chrysene	**0.37**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
bis(2-Ethylhexyl)phthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Di-n-octylphthalate	**ND**	10	EPA 8270	10-26-09	10-28-09	
Benzo[b]fluoranthene	**0.65**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[k]fluoranthene	**0.20**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[a]pyrene	**0.37**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Indeno[1,2,3-cd]pyrene	**0.25**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Dibenz[a,h]anthracene	**0.12**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Benzo[g,h,i]perylene	**0.29**	0.051	EPA 8270/SIM	10-26-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*17*	*12 - 91*				
Phenol-d6	*45*	*10 - 102*				
Nitrobenzene-d5	*84*	*27 - 115*				
2-Fluorobiphenyl	*22*	*37 - 111*				Q
2,4,6-Tribromophenol	*86*	*48 - 121*				
Terphenyl-d14	*86*	*47 - 116*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Pyridine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Phenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Aniline	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Hexachloroethane	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Nitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Isophorone	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4-Chloroaniline	**ND**	10	EPA 8270	10-26-09	10-27-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1026W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	10-26-09	10-27-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Dibenzofuran	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Diethylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	10-26-09	10-27-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	10-26-09	10-27-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Carbazole	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Benzidine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	10-26-09	10-27-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	10-26-09	10-27-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	10-26-09	10-27-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	10-26-09	10-27-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*52*	*12 - 91*				
Phenol-d6	*37*	*10 - 102*				
Nitrobenzene-d5	*68*	*27 - 115*				
2-Fluorobiphenyl	*74*	*37 - 111*				
2,4,6-Tribromophenol	*107*	*48 - 121*				
Terphenyl-d14	*87*	*47 - 116*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-10										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**23.9**	**24.2**	42.6	42.2	ND	56	57	27 - 116	1	27	
2-Chlorophenol	**42.1**	**42.1**	42.6	42.2	ND	99	100	30 - 120	0	27	
1,4-Dichlorobenzene	**19.6**	**19.7**	21.3	21.1	ND	92	93	27 - 95	1	33	
N-Nitroso-di-n-propylamine	**23.7**	**21.6**	21.3	21.1	ND	111	102	23 - 113	9	36	
1,2,4-Trichlorobenzene	**19.4**	**20.0**	21.3	21.1	ND	91	95	27 - 97	3	38	
4-Chloro-3-methylphenol	**31.5**	**32.4**	42.6	42.2	ND	74	77	41 - 133	3	13	
Acenaphthene	**21.1**	**19.8**	21.3	21.1	ND	99	94	41 - 115	6	14	
4-Nitrophenol	**25.9**	**22.0**	42.6	42.2	ND	61	52	18 - 140	16	39	
2,4-Dinitrotoluene	**17.6**	**18.8**	21.3	21.1	ND	83	89	33 - 135	7	18	
Pentachlorophenol	**53.8**	**43.6**	42.6	42.2	ND	126	103	25 - 151	23	37	
Pyrene	**20.5**	**19.6**	21.3	21.1	ND	96	93	62 - 118	4	16	
Surrogate:											
2-Fluorophenol						*17*	*16*	*12 - 91*			
Phenol-d6						*48*	*48*	*10 - 102*			
Nitrobenzene-d5						*84*	*84*	*27 - 115*			
2-Fluorobiphenyl						*23*	*23*	*37 - 111*			Q
2,4,6-Tribromophenol						*109*	*106*	*48 - 121*			
Terphenyl-d14						*90*	*88*	*47 - 116*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13
Client ID: PCS-1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.060
Chloromethane	ND		0.30
Vinyl Chloride	ND		0.060
Bromomethane	ND		0.060
Chloroethane	ND		0.30
Trichlorofluoromethane	ND		0.060
1,1-Dichloroethene	ND		0.060
Acetone	ND		0.30
Iodomethane	ND		0.30
Carbon Disulfide	ND		0.060
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.060
Methyl t-Butyl Ether	ND		0.060
1,1-Dichloroethane	ND		0.060
Vinyl Acetate	ND		0.30
2,2-Dichloropropane	ND		0.060
(cis) 1,2-Dichloroethene	ND		0.060
2-Butanone	ND		0.30
Bromochloromethane	ND		0.060
Chloroform	ND		0.060
1,1,1-Trichloroethane	ND		0.060
Carbon Tetrachloride	ND		0.060
1,1-Dichloropropene	ND		0.060
Benzene	ND		0.060
1,2-Dichloroethane	ND		0.060
Trichloroethene	ND		0.060
1,2-Dichloropropane	ND		0.060
Dibromomethane	ND		0.060
Bromodichloromethane	ND		0.060
2-Chloroethyl Vinyl Ether	ND		0.30
(cis) 1,3-Dichloropropene	ND		0.060
Methyl Isobutyl Ketone	ND		0.30
Toluene	ND		0.30
(trans) 1,3-Dichloropropene	ND		0.060

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 10-185-13
Client ID: PCS-1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.060
Tetrachloroethene	ND		0.060
1,3-Dichloropropane	ND		0.060
2-Hexanone	ND		0.30
Dibromochloromethane	ND		0.060
1,2-Dibromoethane	ND		0.060
Chlorobenzene	ND		0.060
1,1,1,2-Tetrachloroethane	ND		0.060
Ethylbenzene	0.066		0.060
m,p-Xylene	0.37		0.12
o-Xylene	0.092		0.060
Styrene	ND		0.060
Bromoform	ND		0.060
Isopropylbenzene	ND		0.060
Bromobenzene	ND		0.060
1,1,2,2-Tetrachloroethane	ND		0.060
1,2,3-Trichloropropane	ND		0.060
n-Propylbenzene	ND		0.060
2-Chlorotoluene	ND		0.060
4-Chlorotoluene	ND		0.060
1,3,5-Trimethylbenzene	ND		0.060
tert-Butylbenzene	ND		0.060
1,2,4-Trimethylbenzene	0.090		0.060
sec-Butylbenzene	ND		0.060
1,3-Dichlorobenzene	ND		0.060
p-Isopropyltoluene	ND		0.060
1,4-Dichlorobenzene	ND		0.060
1,2-Dichlorobenzene	ND		0.060
n-Butylbenzene	ND		0.060
1,2-Dibromo-3-chloropropane	ND		0.30
1,2,4-Trichlorobenzene	ND		0.060
Hexachlorobutadiene	ND		0.30
Naphthalene	ND		0.060
1,2,3-Trichlorobenzene	ND		0.060

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	91	54-130

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1023S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	87	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1023S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0611	122	0.0605	121	70-130	
Benzene	0.0500	0.0492	98	0.0494	99	70-128	
Trichloroethene	0.0500	0.0457	91	0.0494	99	70-124	
Toluene	0.0500	0.0488	98	0.0504	101	73-123	
Chlorobenzene	0.0500	0.0485	97	0.0483	97	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	0	15	
Trichloroethene	8	14	
Toluene	3	14	
Chlorobenzene	0	13	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-05
Client ID: Stockpile-P1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00099
Chloromethane	ND		0.0049
Vinyl Chloride	ND		0.00099
Bromomethane	ND		0.00099
Chloroethane	ND		0.0049
Trichlorofluoromethane	ND		0.00099
1,1-Dichloroethene	ND		0.00099
Acetone	ND		0.0049
Iodomethane	ND		0.0049
Carbon Disulfide	ND		0.00099
Methylene Chloride	ND		0.0049
(trans) 1,2-Dichloroethene	ND		0.00099
Methyl t-Butyl Ether	ND		0.00099
1,1-Dichloroethane	ND		0.00099
Vinyl Acetate	ND		0.0049
2,2-Dichloropropane	ND		0.00099
(cis) 1,2-Dichloroethene	ND		0.00099
2-Butanone	ND		0.0049
Bromochloromethane	ND		0.00099
Chloroform	ND		0.00099
1,1,1-Trichloroethane	ND		0.00099
Carbon Tetrachloride	ND		0.00099
1,1-Dichloropropene	ND		0.00099
Benzene	ND		0.00099
1,2-Dichloroethane	ND		0.00099
Trichloroethene	ND		0.00099
1,2-Dichloropropane	ND		0.00099
Dibromomethane	ND		0.00099
Bromodichloromethane	ND		0.00099
2-Chloroethyl Vinyl Ether	ND		0.0049
(cis) 1,3-Dichloropropene	ND		0.00099
Methyl Isobutyl Ketone	ND		0.0049
Toluene	ND		0.0049
(trans) 1,3-Dichloropropene	ND		0.00099

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Lab ID: 10-185-05
Client ID: Stockpile-P1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00099
Tetrachloroethene	ND		0.00099
1,3-Dichloropropane	ND		0.00099
2-Hexanone	ND		0.0049
Dibromochloromethane	ND		0.00099
1,2-Dibromoethane	ND		0.00099
Chlorobenzene	ND		0.00099
1,1,1,2-Tetrachloroethane	ND		0.00099
Ethylbenzene	ND		0.00099
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.00099
Styrene	ND		0.00099
Bromoform	ND		0.00099
Isopropylbenzene	ND		0.00099
Bromobenzene	ND		0.00099
1,1,2,2-Tetrachloroethane	ND		0.00099
1,2,3-Trichloropropane	ND		0.00099
n-Propylbenzene	ND		0.00099
2-Chlorotoluene	ND		0.00099
4-Chlorotoluene	ND		0.00099
1,3,5-Trimethylbenzene	ND		0.00099
tert-Butylbenzene	ND		0.00099
1,2,4-Trimethylbenzene	ND		0.00099
sec-Butylbenzene	ND		0.00099
1,3-Dichlorobenzene	ND		0.00099
p-Isopropyltoluene	ND		0.00099
1,4-Dichlorobenzene	ND		0.00099
1,2-Dichlorobenzene	ND		0.00099
n-Butylbenzene	ND		0.00099
1,2-Dibromo-3-chloropropane	ND		0.0049
1,2,4-Trichlorobenzene	ND		0.00099
Hexachlorobutadiene	ND		0.0049
Naphthalene	ND		0.00099
1,2,3-Trichlorobenzene	ND		0.00099

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	55-125
Toluene-d8	106	56-127
4-Bromofluorobenzene	89	54-130

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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-07
Client ID: Stockpile-P2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0063
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0063
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0063
Iodomethane	ND		0.0063
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0063
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0063
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0063
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0063
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0063
Toluene	ND		0.0063
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 10-185-07
Client ID: Stockpile-P2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0063
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	0.0016		0.0013
m,p-Xylene	0.0082		0.0025
o-Xylene	0.0018		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0063
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0063
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	76	54-130

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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-11
Client ID: Stockpile-P3

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.21		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-11
Client ID: Stockpile-P3

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	0.0028		0.0021
o-Xylene	0.0011		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	109	55-125
Toluene-d8	104	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-18
Client ID: Stockpile-P4

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0064
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0064
Trichlorofluoromethane	ND		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0064
Iodomethane	ND		0.0064
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0064
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0064
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0064
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0064
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0064
Toluene	ND		0.0064
(trans) 1,3-Dichloropropene	ND		0.0013

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Lab ID: 10-185-18
Client ID: Stockpile-P4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0064
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0064
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0064
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	91	54-130

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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19
Client ID: Stockpile-P5

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	ND		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-19
Client ID: Stockpile-P5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	87	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

This report pertains to the samples analyzed in accordance with the chain of custody,
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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1023S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	87	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1027S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1027S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	86	54-130

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Laboratory Reference: 0910-185
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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-23-09
Date Analyzed: 10-23-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1023S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0611	122	0.0605	121	70-130	
Benzene	0.0500	0.0492	98	0.0494	99	70-128	
Trichloroethene	0.0500	0.0457	91	0.0494	99	70-124	
Toluene	0.0500	0.0488	98	0.0504	101	73-123	
Chlorobenzene	0.0500	0.0485	97	0.0483	97	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	0	15	
Trichloroethene	8	14	
Toluene	3	14	
Chlorobenzene	0	13	

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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-27-09
Date Analyzed: 10-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1027S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0494	99	0.0488	98	70-130	
Benzene	0.0500	0.0416	83	0.0409	82	70-128	
Trichloroethene	0.0500	0.0425	85	0.0425	85	70-124	
Toluene	0.0500	0.0436	87	0.0431	86	73-123	
Chlorobenzene	0.0500	0.0503	101	0.0497	99	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	2	15	
Trichloroethene	0	14	
Toluene	1	14	
Chlorobenzene	1	13	

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-01
Client ID: Tank3-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00096
Chloromethane	ND		0.0048
Vinyl Chloride	ND		0.00096
Bromomethane	ND		0.00096
Chloroethane	ND		0.0048
Trichlorofluoromethane	ND		0.00096
1,1-Dichloroethene	ND		0.00096
Acetone	0.014		0.0048
Iodomethane	ND		0.0048
Carbon Disulfide	ND		0.00096
Methylene Chloride	ND		0.0048
(trans) 1,2-Dichloroethene	ND		0.00096
Methyl t-Butyl Ether	ND		0.00096
1,1-Dichloroethane	ND		0.00096
Vinyl Acetate	ND		0.0048
2,2-Dichloropropane	ND		0.00096
(cis) 1,2-Dichloroethene	ND		0.00096
2-Butanone	ND		0.0048
Bromochloromethane	ND		0.00096
Chloroform	ND		0.00096
1,1,1-Trichloroethane	ND		0.00096
Carbon Tetrachloride	ND		0.00096
1,1-Dichloropropene	ND		0.00096
Benzene	ND		0.00096
1,2-Dichloroethane	ND		0.00096
Trichloroethene	ND		0.00096
1,2-Dichloropropane	ND		0.00096
Dibromomethane	ND		0.00096
Bromodichloromethane	ND		0.00096
2-Chloroethyl Vinyl Ether	ND		0.0048
(cis) 1,3-Dichloropropene	ND		0.00096
Methyl Isobutyl Ketone	ND		0.0048
Toluene	ND		0.0048
(trans) 1,3-Dichloropropene	ND		0.00096

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Samples Submitted: October 23, 2009
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Project: 14697

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Lab ID: 10-185-01
Client ID: Tank3-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00096
Tetrachloroethene	ND		0.00096
1,3-Dichloropropane	ND		0.00096
2-Hexanone	ND		0.0048
Dibromochloromethane	ND		0.00096
1,2-Dibromoethane	ND		0.00096
Chlorobenzene	ND		0.00096
1,1,1,2-Tetrachloroethane	ND		0.00096
Ethylbenzene	0.019		0.00096
m,p-Xylene	0.089		0.0019
o-Xylene	0.032		0.00096
Styrene	ND		0.00096
Bromoform	ND		0.00096
Isopropylbenzene	ND		0.00096
Bromobenzene	ND		0.00096
1,1,2,2-Tetrachloroethane	ND		0.00096
1,2,3-Trichloropropane	ND		0.00096
n-Propylbenzene	ND		0.00096
2-Chlorotoluene	ND		0.00096
4-Chlorotoluene	ND		0.00096
1,3,5-Trimethylbenzene	ND		0.00096
tert-Butylbenzene	ND		0.00096
1,2,4-Trimethylbenzene	ND		0.00096
sec-Butylbenzene	ND		0.00096
1,3-Dichlorobenzene	ND		0.00096
p-Isopropyltoluene	ND		0.00096
1,4-Dichlorobenzene	ND		0.00096
1,2-Dichlorobenzene	ND		0.00096
n-Butylbenzene	ND		0.00096
1,2-Dibromo-3-chloropropane	ND		0.0048
1,2,4-Trichlorobenzene	ND		0.00096
Hexachlorobutadiene	ND		0.0048
Naphthalene	ND		0.00096
1,2,3-Trichlorobenzene	ND		0.00096

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	89	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-02
Client ID: Product-W1 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.055
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.055
Bromomethane	ND		0.055
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.055
1,1-Dichloroethene	ND		0.055
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.055
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.055
Methyl t-Butyl Ether	ND		0.055
1,1-Dichloroethane	ND		0.055
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.055
(cis) 1,2-Dichloroethene	ND		0.055
2-Butanone	ND		0.28
Bromochloromethane	ND		0.055
Chloroform	ND		0.055
1,1,1-Trichloroethane	ND		0.055
Carbon Tetrachloride	ND		0.055
1,1-Dichloropropene	ND		0.055
Benzene	ND		0.055
1,2-Dichloroethane	ND		0.055
Trichloroethene	ND		0.055
1,2-Dichloropropane	ND		0.055
Dibromomethane	ND		0.055
Bromodichloromethane	ND		0.055
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.055
Methyl Isobutyl Ketone	ND		0.28
Toluene	ND		0.28
(trans) 1,3-Dichloropropene	ND		0.055

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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Lab ID: 10-185-02
Client ID: Product-W1 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.055
Tetrachloroethene	ND		0.055
1,3-Dichloropropane	ND		0.055
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.055
1,2-Dibromoethane	ND		0.055
Chlorobenzene	ND		0.055
1,1,1,2-Tetrachloroethane	ND		0.055
Ethylbenzene	0.23		0.055
m,p-Xylene	0.98		0.11
o-Xylene	0.35		0.055
Styrene	ND		0.055
Bromoform	ND		0.055
Isopropylbenzene	ND		0.055
Bromobenzene	ND		0.055
1,1,2,2-Tetrachloroethane	ND		0.055
1,2,3-Trichloropropane	ND		0.055
n-Propylbenzene	0.086		0.055
2-Chlorotoluene	ND		0.055
4-Chlorotoluene	ND		0.055
1,3,5-Trimethylbenzene	ND		0.055
tert-Butylbenzene	ND		0.055
1,2,4-Trimethylbenzene	0.10		0.055
sec-Butylbenzene	ND		0.055
1,3-Dichlorobenzene	ND		0.055
p-Isopropyltoluene	ND		0.055
1,4-Dichlorobenzene	ND		0.055
1,2-Dichlorobenzene	ND		0.055
n-Butylbenzene	0.081		0.055
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.055
Hexachlorobutadiene	ND		0.28
Naphthalene	ND		0.055
1,2,3-Trichlorobenzene	ND		0.055

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	55-125
Toluene-d8	81	56-127
4-Bromofluorobenzene	84	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-03
Client ID: Tank4-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.043		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	0.011		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.016		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-03
Client ID: Tank4-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	0.0011		0.0010
m,p-Xylene	0.0043		0.0021
o-Xylene	0.0020		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	0.0017		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	0.0012		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	95	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-04
Client ID: Tank5-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.016		0.0054
Iodomethane	ND		0.0054
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0054
Toluene	0.030		0.0054
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-04
Client ID: Tank5-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.0012		0.0011
m,p-Xylene	0.0050		0.0021
o-Xylene	0.0017		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	94	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Project: 14697

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-06
Client ID: Tank6-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.055
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.055
Bromomethane	ND		0.055
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.055
1,1-Dichloroethene	ND		0.055
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.055
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.055
Methyl t-Butyl Ether	ND		0.055
1,1-Dichloroethane	ND		0.055
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.055
(cis) 1,2-Dichloroethene	ND		0.055
2-Butanone	ND		0.28
Bromochloromethane	ND		0.055
Chloroform	ND		0.055
1,1,1-Trichloroethane	ND		0.055
Carbon Tetrachloride	ND		0.055
1,1-Dichloropropene	ND		0.055
Benzene	ND		0.055
1,2-Dichloroethane	ND		0.055
Trichloroethene	ND		0.055
1,2-Dichloropropane	ND		0.055
Dibromomethane	ND		0.055
Bromodichloromethane	ND		0.055
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.055
Methyl Isobutyl Ketone	ND		0.28
Toluene	0.30		0.28
(trans) 1,3-Dichloropropene	ND		0.055

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Lab ID: 10-185-06
Client ID: Tank6-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.055
Tetrachloroethene	ND		0.055
1,3-Dichloropropane	ND		0.055
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.055
1,2-Dibromoethane	ND		0.055
Chlorobenzene	ND		0.055
1,1,1,2-Tetrachloroethane	ND		0.055
Ethylbenzene	0.083		0.055
m,p-Xylene	0.28		0.11
o-Xylene	ND		0.055
Styrene	ND		0.055
Bromoform	ND		0.055
Isopropylbenzene	0.073		0.055
Bromobenzene	ND		0.055
1,1,2,2-Tetrachloroethane	ND		0.055
1,2,3-Trichloropropane	ND		0.055
n-Propylbenzene	0.13		0.055
2-Chlorotoluene	ND		0.055
4-Chlorotoluene	ND		0.055
1,3,5-Trimethylbenzene	ND		0.055
tert-Butylbenzene	ND		0.055
1,2,4-Trimethylbenzene	ND		0.055
sec-Butylbenzene	ND		0.055
1,3-Dichlorobenzene	ND		0.055
p-Isopropyltoluene	ND		0.055
1,4-Dichlorobenzene	ND		0.055
1,2-Dichlorobenzene	ND		0.055
n-Butylbenzene	ND		0.055
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.055
Hexachlorobutadiene	ND		0.28
Naphthalene	ND		0.055
1,2,3-Trichlorobenzene	ND		0.055

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted: 10-29&30-09
Date Analyzed: 10-29&30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-08
Client ID: Tank7-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00093
Chloromethane	ND		0.0046
Vinyl Chloride	ND		0.00093
Bromomethane	ND		0.00093
Chloroethane	ND		0.0046
Trichlorofluoromethane	ND		0.00093
1,1-Dichloroethene	ND		0.00093
Acetone	3.5		0.28
Iodomethane	ND		0.0046
Carbon Disulfide	ND		0.00093
Methylene Chloride	ND		0.0046
(trans) 1,2-Dichloroethene	ND		0.00093
Methyl t-Butyl Ether	ND		0.00093
1,1-Dichloroethane	ND		0.00093
Vinyl Acetate	ND		0.0046
2,2-Dichloropropane	ND		0.00093
(cis) 1,2-Dichloroethene	ND		0.00093
2-Butanone	ND		0.0046
Bromochloromethane	ND		0.00093
Chloroform	ND		0.00093
1,1,1-Trichloroethane	ND		0.00093
Carbon Tetrachloride	ND		0.00093
1,1-Dichloropropene	ND		0.00093
Benzene	ND		0.00093
1,2-Dichloroethane	ND		0.00093
Trichloroethene	ND		0.00093
1,2-Dichloropropane	ND		0.00093
Dibromomethane	ND		0.00093
Bromodichloromethane	ND		0.00093
2-Chloroethyl Vinyl Ether	ND		0.0046
(cis) 1,3-Dichloropropene	ND		0.00093
Methyl Isobutyl Ketone	ND		0.0046
Toluene	ND		0.0046
(trans) 1,3-Dichloropropene	ND		0.00093

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Lab ID: 10-185-08
Client ID: Tank7-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00093
Tetrachloroethene	ND		0.00093
1,3-Dichloropropane	ND		0.00093
2-Hexanone	ND		0.0046
Dibromochloromethane	ND		0.00093
1,2-Dibromoethane	ND		0.00093
Chlorobenzene	ND		0.00093
1,1,1,2-Tetrachloroethane	ND		0.00093
Ethylbenzene	ND		0.00093
m,p-Xylene	ND		0.0019
o-Xylene	ND		0.00093
Styrene	ND		0.00093
Bromoform	ND		0.00093
Isopropylbenzene	ND		0.00093
Bromobenzene	ND		0.00093
1,1,2,2-Tetrachloroethane	ND		0.00093
1,2,3-Trichloropropane	ND		0.00093
n-Propylbenzene	ND		0.00093
2-Chlorotoluene	ND		0.00093
4-Chlorotoluene	ND		0.00093
1,3,5-Trimethylbenzene	ND		0.00093
tert-Butylbenzene	ND		0.00093
1,2,4-Trimethylbenzene	ND		0.00093
sec-Butylbenzene	ND		0.00093
1,3-Dichlorobenzene	ND		0.00093
p-Isopropyltoluene	ND		0.00093
1,4-Dichlorobenzene	ND		0.00093
1,2-Dichlorobenzene	ND		0.00093
n-Butylbenzene	ND		0.00093
1,2-Dibromo-3-chloropropane	ND		0.0046
1,2,4-Trichlorobenzene	ND		0.00093
Hexachlorobutadiene	ND		0.0046
Naphthalene	ND		0.00093
1,2,3-Trichlorobenzene	ND		0.00093

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	55-125
Toluene-d8	88	56-127
4-Bromofluorobenzene	87	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-09
Client ID: Product-W2 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.057
Chloromethane	ND		0.29
Vinyl Chloride	ND		0.057
Bromomethane	ND		0.057
Chloroethane	ND		0.29
Trichlorofluoromethane	ND		0.057
1,1-Dichloroethene	ND		0.057
Acetone	0.51		0.29
Iodomethane	ND		0.29
Carbon Disulfide	ND		0.057
Methylene Chloride	ND		0.29
(trans) 1,2-Dichloroethene	ND		0.057
Methyl t-Butyl Ether	ND		0.057
1,1-Dichloroethane	ND		0.057
Vinyl Acetate	ND		0.29
2,2-Dichloropropane	ND		0.057
(cis) 1,2-Dichloroethene	ND		0.057
2-Butanone	ND		0.29
Bromochloromethane	ND		0.057
Chloroform	ND		0.057
1,1,1-Trichloroethane	ND		0.057
Carbon Tetrachloride	ND		0.057
1,1-Dichloropropene	ND		0.057
Benzene	ND		0.057
1,2-Dichloroethane	ND		0.057
Trichloroethene	ND		0.057
1,2-Dichloropropane	ND		0.057
Dibromomethane	ND		0.057
Bromodichloromethane	ND		0.057
2-Chloroethyl Vinyl Ether	ND		0.29
(cis) 1,3-Dichloropropene	ND		0.057
Methyl Isobutyl Ketone	ND		0.29
Toluene	ND		0.29
(trans) 1,3-Dichloropropene	ND		0.057

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Lab ID: 10-185-09
Client ID: Product-W2 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.057
Tetrachloroethene	ND		0.057
1,3-Dichloropropane	ND		0.057
2-Hexanone	ND		0.29
Dibromochloromethane	ND		0.057
1,2-Dibromoethane	ND		0.057
Chlorobenzene	ND		0.057
1,1,1,2-Tetrachloroethane	ND		0.057
Ethylbenzene	0.082		0.057
m,p-Xylene	1.4		0.11
o-Xylene	0.51		0.057
Styrene	ND		0.057
Bromoform	ND		0.057
Isopropylbenzene	0.19		0.057
Bromobenzene	ND		0.057
1,1,2,2-Tetrachloroethane	ND		0.057
1,2,3-Trichloropropane	ND		0.057
n-Propylbenzene	0.18		0.057
2-Chlorotoluene	ND		0.057
4-Chlorotoluene	ND		0.057
1,3,5-Trimethylbenzene	ND		0.057
tert-Butylbenzene	ND		0.057
1,2,4-Trimethylbenzene	ND		0.057
sec-Butylbenzene	0.24		0.057
1,3-Dichlorobenzene	ND		0.057
p-Isopropyltoluene	ND		0.057
1,4-Dichlorobenzene	ND		0.057
1,2-Dichlorobenzene	ND		0.057
n-Butylbenzene	0.19		0.057
1,2-Dibromo-3-chloropropane	ND		0.29
1,2,4-Trichlorobenzene	ND		0.057
Hexachlorobutadiene	ND		0.29
Naphthalene	ND		0.057
1,2,3-Trichlorobenzene	ND		0.057

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	84		55-125
Toluene-d8	84		56-127
4-Bromofluorobenzene	158	Q	54-130

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Date Extracted:	10-29&30-09
Date Analyzed:	10-29&30-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	10-185-12
Client ID:	**Tank8-B-1009**

Compound	**Results**	**Flags**	**PQL**
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	10		0.61
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	ND		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-12
Client ID: Tank8-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	0.0056		0.0010
m,p-Xylene	0.024		0.0021
o-Xylene	0.0086		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	87	56-127
4-Bromofluorobenzene	87	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-14
Client ID: Tank9-B-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.040		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.0060		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 10-185-14
Client ID: Tank9-B-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	88	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Samples Submitted: October 23, 2009
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-15
Client ID: Product-N Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.074
Chloromethane	ND		0.37
Vinyl Chloride	ND		0.074
Bromomethane	ND		0.074
Chloroethane	ND		0.37
Trichlorofluoromethane	ND		0.074
1,1-Dichloroethene	ND		0.074
Acetone	ND		0.37
Iodomethane	ND		0.37
Carbon Disulfide	ND		0.074
Methylene Chloride	ND		0.37
(trans) 1,2-Dichloroethene	ND		0.074
Methyl t-Butyl Ether	ND		0.074
1,1-Dichloroethane	ND		0.074
Vinyl Acetate	ND		0.37
2,2-Dichloropropane	ND		0.074
(cis) 1,2-Dichloroethene	ND		0.074
2-Butanone	ND		0.37
Bromochloromethane	ND		0.074
Chloroform	ND		0.074
1,1,1-Trichloroethane	ND		0.074
Carbon Tetrachloride	ND		0.074
1,1-Dichloropropene	ND		0.074
Benzene	ND		0.074
1,2-Dichloroethane	ND		0.074
Trichloroethene	ND		0.074
1,2-Dichloropropane	ND		0.074
Dibromomethane	ND		0.074
Bromodichloromethane	ND		0.074
2-Chloroethyl Vinyl Ether	ND		0.37
(cis) 1,3-Dichloropropene	ND		0.074
Methyl Isobutyl Ketone	ND		0.37
Toluene	ND		0.37
(trans) 1,3-Dichloropropene	ND		0.074

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Lab ID: 10-185-15
Client ID: Product-N Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.074
Tetrachloroethene	ND		0.074
1,3-Dichloropropane	ND		0.074
2-Hexanone	ND		0.37
Dibromochloromethane	ND		0.074
1,2-Dibromoethane	ND		0.074
Chlorobenzene	ND		0.074
1,1,1,2-Tetrachloroethane	ND		0.074
Ethylbenzene	0.099		0.074
m,p-Xylene	ND		0.15
o-Xylene	ND		0.074
Styrene	ND		0.074
Bromoform	ND		0.074
Isopropylbenzene	0.42		0.074
Bromobenzene	ND		0.074
1,1,2,2-Tetrachloroethane	ND		0.074
1,2,3-Trichloropropane	ND		0.074
n-Propylbenzene	0.47		0.074
2-Chlorotoluene	ND		0.074
4-Chlorotoluene	ND		0.074
1,3,5-Trimethylbenzene	ND		0.074
tert-Butylbenzene	ND		0.074
1,2,4-Trimethylbenzene	ND		0.074
sec-Butylbenzene	0.15		0.074
1,3-Dichlorobenzene	ND		0.074
p-Isopropyltoluene	ND		0.074
1,4-Dichlorobenzene	ND		0.074
1,2-Dichlorobenzene	ND		0.074
n-Butylbenzene	0.19		0.074
1,2-Dibromo-3-chloropropane	ND		0.37
1,2,4-Trichlorobenzene	ND		0.074
Hexachlorobutadiene	ND		0.37
Naphthalene	ND		0.074
1,2,3-Trichlorobenzene	ND		0.074

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	90	54-130

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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-16
Client ID: Product-E1 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	0.0092		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	0.014		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: 10-185-16
Client ID: Product-E1 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0021
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	0.0076		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	0.0038		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	0.0012		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	100	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-17
Client ID: Product-E2 Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0055
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0055
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.0089		0.0055
Iodomethane	ND		0.0055
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0055
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0055
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0055
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0055
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0055
Toluene	ND		0.0055
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-185-17
Client ID: Product-E2 Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0055
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0055
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0055
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	90	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-20
Client ID: Product-S Wall-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0014
Chloromethane	ND		0.0069
Vinyl Chloride	ND		0.0014
Bromomethane	ND		0.0014
Chloroethane	ND		0.0069
Trichlorofluoromethane	ND		0.0014
1,1-Dichloroethene	ND		0.0014
Acetone	0.032		0.0069
Iodomethane	ND		0.0069
Carbon Disulfide	ND		0.0014
Methylene Chloride	ND		0.0069
(trans) 1,2-Dichloroethene	ND		0.0014
Methyl t-Butyl Ether	ND		0.0014
1,1-Dichloroethane	ND		0.0014
Vinyl Acetate	ND		0.0069
2,2-Dichloropropane	ND		0.0014
(cis) 1,2-Dichloroethene	ND		0.0014
2-Butanone	ND		0.0069
Bromochloromethane	ND		0.0014
Chloroform	ND		0.0014
1,1,1-Trichloroethane	ND		0.0014
Carbon Tetrachloride	ND		0.0014
1,1-Dichloropropene	ND		0.0014
Benzene	ND		0.0014
1,2-Dichloroethane	ND		0.0014
Trichloroethene	ND		0.0014
1,2-Dichloropropane	ND		0.0014
Dibromomethane	ND		0.0014
Bromodichloromethane	ND		0.0014
2-Chloroethyl Vinyl Ether	ND		0.0069
(cis) 1,3-Dichloropropene	ND		0.0014
Methyl Isobutyl Ketone	ND		0.0069
Toluene	ND		0.0069
(trans) 1,3-Dichloropropene	ND		0.0014

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Lab ID: 10-185-20
Client ID: Product-S Wall-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0014
Tetrachloroethene	ND		0.0014
1,3-Dichloropropane	ND		0.0014
2-Hexanone	ND		0.0069
Dibromochloromethane	ND		0.0014
1,2-Dibromoethane	ND		0.0014
Chlorobenzene	ND		0.0014
1,1,1,2-Tetrachloroethane	ND		0.0014
Ethylbenzene	ND		0.0014
m,p-Xylene	ND		0.0027
o-Xylene	ND		0.0014
Styrene	ND		0.0014
Bromoform	ND		0.0014
Isopropylbenzene	ND		0.0014
Bromobenzene	ND		0.0014
1,1,2,2-Tetrachloroethane	ND		0.0014
1,2,3-Trichloropropane	ND		0.0014
n-Propylbenzene	ND		0.0014
2-Chlorotoluene	ND		0.0014
4-Chlorotoluene	ND		0.0014
1,3,5-Trimethylbenzene	ND		0.0014
tert-Butylbenzene	ND		0.0014
1,2,4-Trimethylbenzene	ND		0.0014
sec-Butylbenzene	ND		0.0014
1,3-Dichlorobenzene	ND		0.0014
p-Isopropyltoluene	ND		0.0014
1,4-Dichlorobenzene	ND		0.0014
1,2-Dichlorobenzene	ND		0.0014
n-Butylbenzene	ND		0.0014
1,2-Dibromo-3-chloropropane	ND		0.0069
1,2,4-Trichlorobenzene	ND		0.0014
Hexachlorobutadiene	ND		0.0069
Naphthalene	ND		0.0014
1,2,3-Trichlorobenzene	ND		0.0014

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	55-125
Toluene-d8	92	56-127
4-Bromofluorobenzene	96	54-130

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Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1029S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB1029S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	79	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB1030S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	85	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1029S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0473	95	0.0448	90	70-130	
Benzene	0.0500	0.0385	77	0.0379	76	70-128	
Trichloroethene	0.0500	0.0410	82	0.0417	83	70-124	
Toluene	0.0500	0.0398	80	0.0391	78	73-123	
Chlorobenzene	0.0500	0.0471	94	0.0468	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	5	16	
Benzene	2	15	
Trichloroethene	2	14	
Toluene	2	14	
Chlorobenzene	1	13	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1030S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0433	87	0.0438	88	70-130	
Benzene	0.0500	0.0405	81	0.0408	82	70-128	
Trichloroethene	0.0500	0.0450	90	0.0409	82	70-124	
Toluene	0.0500	0.0456	91	0.0409	82	73-123	
Chlorobenzene	0.0500	0.0495	99	0.0468	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	16	
Benzene	1	15	
Trichloroethene	10	14	
Toluene	11	14	
Chlorobenzene	6	13	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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Project: 14697

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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10
Client ID: Product-GW-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		100
Chloromethane	ND		500
Vinyl Chloride	ND		100
Bromomethane	ND		100
Chloroethane	ND		500
Trichlorofluoromethane	ND		100
1,1-Dichloroethene	ND		100
Acetone	13000		2500
Iodomethane	ND		500
Carbon Disulfide	ND		100
Methylene Chloride	ND		500
(trans) 1,2-dichloroethene	ND		100
Methyl t-Butyl Ether	ND		100
1,1-Dichloroethane	ND		100
Vinyl Acetate	ND		1000
2,2-Dichloropropane	ND		100
(cis) 1,2-Dichloroethene	ND		100
2-Butanone	ND		2500
Bromochloromethane	ND		100
Chloroform	ND		100
1,1,1-Trichloroethane	ND		100
Carbon Tetrachloride	ND		100
1,1-Dichloropropene	ND		100
Benzene	ND		100
1,2-Dichloroethane	ND		100
Trichloroethene	ND		100
1,2-Dichloropropane	ND		100
Dibromomethane	ND		100
Bromodichloromethane	ND		100
2-Chloroethyl Vinyl Ether	ND		500
(cis) 1,3-Dichloropropene	ND		100
Methyl Isobutyl Ketone	ND		1000
Toluene	17000		500
(trans) 1,3-Dichloropropene	ND		100

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Lab ID: 10-185-10
Client ID: Product-GW-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		100
Tetrachloroethene	ND		100
1,3-Dichloropropane	ND		100
2-Hexanone	ND		1000
Dibromochloromethane	ND		100
1,2-Dibromoethane	ND		100
Chlorobenzene	ND		100
1,1,1,2-Tetrachloroethane	ND		100
Ethylbenzene	8100		100
m,p-Xylene	37000		200
o-Xylene	13000		100
Styrene	ND		100
Bromoform	ND		500
Isopropylbenzene	ND		100
Bromobenzene	ND		100
1,1,2,2-Tetrachloroethane	ND		100
1,2,3-Trichloropropane	ND		100
n-Propylbenzene	ND		100
2-Chlorotoluene	ND		100
4-Chlorotoluene	ND		100
1,3,5-Trimethylbenzene	ND		100
tert-Butylbenzene	ND		100
1,2,4-Trimethylbenzene	ND		100
sec-Butylbenzene	ND		100
1,3-Dichlorobenzene	ND		100
p-Isopropyltoluene	ND		100
1,4-Dichlorobenzene	ND		100
1,2-Dichlorobenzene	ND		100
n-Butylbenzene	ND		100
1,2-Dibromo-3-chloropropane	ND		500
1,2,4-Trichlorobenzene	ND		100
Hexachlorobutadiene	ND		100
Naphthalene	ND		500
1,2,3-Trichlorobenzene	ND		100

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	89	71-126
Toluene-d8	93	76-116
4-Bromofluorobenzene	87	70-123

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Date of Report: November 2, 2009
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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-21
Client ID: TRIP BLANK

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.23		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

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Lab ID: 10-185-21
Client ID: TRIP BLANK

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	85	70-123

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1026W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1026W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	71-126
Toluene-d8	90	76-116
4-Bromofluorobenzene	83	70-123

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	5000	4340	87	4260	85	70-130	
Benzene	ND	5000	4490	90	4540	91	81-125	
Trichloroethene	ND	5000	4740	95	4640	93	79-116	
Toluene	17000	5000	22500	110	21800	96	88-118	
Chlorobenzene	ND	5000	4740	95	4890	98	75-121	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	22	
Benzene	1	11	
Trichloroethene	2	11	
Toluene	3	14	
Chlorobenzene	3	14	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13					
Client ID:	**PCS-1**					
Aluminum	**6000**	14	6020	10-23-09	10-23-09	
Antimony	**ND**	5.6	6020	10-26-09	10-26-09	
Arsenic	**ND**	11	6020	10-23-09	10-23-09	
Barium	**24**	2.8	6020	10-23-09	10-23-09	
Cadmium	**ND**	0.56	6020	10-23-09	10-23-09	
Chromium	**11**	1.1	6020	10-23-09	10-23-09	
Copper	**18**	1.1	6020	10-23-09	10-23-09	
Lead	**ND**	5.6	6020	10-23-09	10-23-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**10**	2.8	6020	10-23-09	10-23-09	
Selenium	**ND**	11	6020	10-23-09	10-23-09	
Silver	**1.9**	0.56	6020	10-23-09	10-23-09	
Zinc	**29**	2.8	6020	10-23-09	10-23-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1023S1&MB1026S3

Analyte	Method	Result	PQL
Aluminum	6020	**ND**	5.0
Antimony	6020	**ND**	5.0
Arsenic	6020	**ND**	10
Barium	6020	**ND**	2.5
Cadmium	6020	**ND**	0.50
Chromium	6020	**ND**	1.0
Copper	6020	**ND**	0.50
Lead	6020	**ND**	5.0
Nickel	6020	**ND**	2.5
Selenium	6020	**ND**	10
Silver	6020	**ND**	0.50
Zinc	6020	**ND**	2.5

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S1

Analyte	Method	Result	PQL
Mercury	7471A	**ND**	0.25

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
DUPLICATE QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-128-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Aluminum	**4740**	**5470**	14	25	
Antimony	**ND**	**ND**	NA	5.0	
Arsenic	**ND**	**ND**	NA	10	
Barium	**24.9**	**23.9**	4	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.48**	**8.06**	7	1.0	
Copper	**11.0**	**13.1**	18	0.50	
Lead	**8.37**	**8.52**	2	5.0	
Nickel	**6.25**	**6.81**	9	2.5	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	
Zinc	**45.5**	**48.1**	5	2.5	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6020
MS/MSD QUALITY CONTROL

Date Extracted: 10-23&26-09
Date Analyzed: 10-23&26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-128-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Aluminum	1000	**7390**	265	**6200**	146	17	A
Antimony	100	**94.8**	95	**101**	101	6	
Arsenic	100	**96.1**	96	**100**	100	4	
Barium	100	**125**	100	**126**	101	0	
Cadmium	50	**49.8**	100	**47.2**	94	5	
Chromium	100	**108**	101	**106**	98	2	
Copper	50	**60.3**	99	**62.0**	102	3	
Lead	250	**249**	96	**248**	96	0	
Nickel	100	**103**	97	**106**	99	3	
Selenium	100	**101**	101	**104**	104	3	
Silver	25	**24.0**	96	**23.7**	95	1	
Zinc	100	**149**	104	**152**	106	2	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26-09
Date Analyzed: 10-26-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-13

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.50	**0.526**	105	**0.528**	106	1	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-05					
Client ID:	**Stockpile-P1**					
Arsenic	**ND**	11	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.53	6010B	10-28-09	10-28-09	
Chromium	**15**	0.53	6010B	10-28-09	10-28-09	
Copper	**40**	1.1	6010B	10-28-09	10-28-09	
Lead	**ND**	5.3	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**15**	2.7	6010B	10-28-09	10-28-09	
Zinc	**33**	2.7	6010B	10-28-09	10-28-09	
Lab ID:	10-185-07					
Client ID:	**Stockpile-P2**					
Arsenic	**ND**	10	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.52	6010B	10-28-09	10-28-09	
Chromium	**16**	0.52	6010B	10-28-09	10-28-09	
Copper	**34**	1.0	6010B	10-28-09	10-28-09	
Lead	**ND**	5.2	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.26	7471A	10-26-09	10-26-09	
Nickel	**12**	2.6	6010B	10-28-09	10-28-09	
Zinc	**26**	2.6	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-11					
Client ID:	**Stockpile-P3**					
Arsenic	**ND**	12	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.58	6010B	10-28-09	10-28-09	
Chromium	**17**	0.58	6010B	10-28-09	10-28-09	
Copper	**34**	1.2	6010B	10-28-09	10-28-09	
Lead	**ND**	5.8	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-28-09	10-28-09	
Zinc	**180**	2.9	6010B	10-28-09	10-28-09	
Lab ID:	10-185-18					
Client ID:	**Stockpile-P4**					
Arsenic	**ND**	10	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.52	6010B	10-28-09	10-28-09	
Chromium	**15**	0.52	6010B	10-28-09	10-28-09	
Copper	**35**	1.0	6010B	10-28-09	10-28-09	
Lead	**ND**	5.2	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.26	7471A	10-26-09	10-26-09	
Nickel	**13**	2.6	6010B	10-28-09	10-28-09	
Zinc	**38**	2.6	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-19					
Client ID:	**Stockpile-P5**					
Arsenic	**ND**	11	6010B	10-28-09	10-28-09	
Cadmium	**ND**	0.54	6010B	10-28-09	10-28-09	
Chromium	**14**	0.54	6010B	10-28-09	10-28-09	
Copper	**30**	1.1	6010B	10-28-09	10-28-09	
Lead	**ND**	5.4	6010B	10-28-09	10-28-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**13**	2.7	6010B	10-28-09	10-28-09	
Zinc	**24**	2.7	6010B	10-28-09	10-28-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S2&MB1028S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**12.8**	**13.7**	6	0.50	
Copper	**28.2**	**29.5**	5	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**12.4**	**12.4**	0	2.5	
Zinc	**22.0**	**24.7**	11	2.5	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**84.1**	84	**85.1**	85	1	
Cadmium	50	**45.0**	90	**45.1**	90	0	
Chromium	100	**104**	92	**105**	92	1	
Copper	50	**77.3**	98	**75.9**	96	2	
Lead	250	**216**	86	**217**	87	1	
Mercury	0.50	**0.515**	103	**0.510**	102	1	
Nickel	100	**102**	90	**103**	90	0	
Zinc	100	**118**	96	**115**	93	3	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-01					
Client ID:	**Tank3-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.58	6010B	10-29-09	10-29-09	
Chromium	**16**	0.58	6010B	10-29-09	10-29-09	
Copper	**26**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.8	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-29-09	10-29-09	
Zinc	**27**	2.9	6010B	10-29-09	10-29-09	
Lab ID:	10-185-02					
Client ID:	**Product-W1Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.55	6010B	10-29-09	10-29-09	
Chromium	**8.5**	0.55	6010B	10-29-09	10-29-09	
Copper	**13**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.5	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.27	7471A	10-26-09	10-26-09	
Nickel	**8.3**	2.7	6010B	10-29-09	10-29-09	
Zinc	**32**	2.7	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-03					
Client ID:	**Tank4-B-1009**					
Arsenic	**ND**	13	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.64	6010B	10-29-09	10-29-09	
Chromium	**7.9**	0.64	6010B	10-29-09	10-29-09	
Copper	**13**	1.3	6010B	10-29-09	10-29-09	
Lead	**ND**	6.4	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.32	7471A	10-26-09	10-26-09	
Nickel	**9.1**	3.2	6010B	10-29-09	10-29-09	
Zinc	**29**	3.2	6010B	10-29-09	10-29-09	
Lab ID:	10-185-04					
Client ID:	**Tank5-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.60	6010B	10-29-09	10-29-09	
Chromium	**11**	0.60	6010B	10-29-09	10-29-09	
Copper	**25**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	6.0	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.30	7471A	10-26-09	10-26-09	
Nickel	**12**	3.0	6010B	10-29-09	10-29-09	
Zinc	**23**	3.0	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-06					
Client ID:	**Tank6-B-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**7.8**	0.56	6010B	10-29-09	10-29-09	
Copper	**9.3**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**8.8**	2.8	6010B	10-29-09	10-29-09	
Zinc	**25**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-08					
Client ID:	**Tank7-B-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.57	6010B	10-29-09	10-29-09	
Chromium	**13**	0.57	6010B	10-29-09	10-29-09	
Copper	**33**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.7	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**13**	2.9	6010B	10-29-09	10-29-09	
Zinc	**29**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-09					
Client ID:	**Product-W2Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**8.2**	0.56	6010B	10-29-09	10-29-09	
Copper	**14**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**6.8**	2.8	6010B	10-29-09	10-29-09	
Zinc	**17**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-12					
Client ID:	**Tank8-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.59	6010B	10-29-09	10-29-09	
Chromium	**15**	0.59	6010B	10-29-09	10-29-09	
Copper	**30**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.9	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**15**	2.9	6010B	10-29-09	10-29-09	
Zinc	**27**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-14					
Client ID:	**Tank9-B-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.61	6010B	10-29-09	10-29-09	
Chromium	**17**	0.61	6010B	10-29-09	10-29-09	
Copper	**13**	1.2	6010B	10-29-09	10-29-09	
Lead	**7.2**	6.1	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.31	7471A	10-26-09	10-26-09	
Nickel	**22**	3.1	6010B	10-29-09	10-29-09	
Zinc	**95**	3.1	6010B	10-29-09	10-29-09	
Lab ID:	10-185-15					
Client ID:	**Product-NWall-1009**					
Arsenic	**ND**	13	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.64	6010B	10-29-09	10-29-09	
Chromium	**7.2**	0.64	6010B	10-29-09	10-29-09	
Copper	**9.3**	1.3	6010B	10-29-09	10-29-09	
Lead	**ND**	6.4	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.32	7471A	10-26-09	10-26-09	
Nickel	**6.6**	3.2	6010B	10-29-09	10-29-09	
Zinc	**140**	3.2	6010B	10-29-09	10-29-09	

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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-16					
Client ID:	**Product-E1Wall-1009**					
Arsenic	**ND**	11	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.56	6010B	10-29-09	10-29-09	
Chromium	**13**	0.56	6010B	10-29-09	10-29-09	
Copper	**28**	1.1	6010B	10-29-09	10-29-09	
Lead	**ND**	5.6	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.28	7471A	10-26-09	10-26-09	
Nickel	**13**	2.8	6010B	10-29-09	10-29-09	
Zinc	**24**	2.8	6010B	10-29-09	10-29-09	
Lab ID:	10-185-17					
Client ID:	**Product-E2Wall-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.58	6010B	10-29-09	10-29-09	
Chromium	**18**	0.58	6010B	10-29-09	10-29-09	
Copper	**26**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	5.8	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.29	7471A	10-26-09	10-26-09	
Nickel	**14**	2.9	6010B	10-29-09	10-29-09	
Zinc	**25**	2.9	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
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TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-20					
Client ID:	**Product-SWall-1009**					
Arsenic	**ND**	12	6010B	10-29-09	10-29-09	
Cadmium	**ND**	0.61	6010B	10-29-09	10-29-09	
Chromium	**5.6**	0.61	6010B	10-29-09	10-29-09	
Copper	**5.3**	1.2	6010B	10-29-09	10-29-09	
Lead	**ND**	6.1	6010B	10-29-09	10-29-09	
Mercury	**ND**	0.30	7471A	10-26-09	10-26-09	
Nickel	**5.2**	3.0	6010B	10-29-09	10-29-09	
Zinc	**14**	3.0	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1026S2&MB1028S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**12.8**	**13.7**	6	0.50	
Copper	**28.2**	**29.5**	5	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**12.4**	**12.4**	0	2.5	
Zinc	**22.0**	**24.7**	11	2.5	

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Date of Report: November 2, 2009
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TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 10-26&28-09
Date Analyzed: 10-26&28-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-185-19

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**84.1**	84	**85.1**	85	1	
Cadmium	50	**45.0**	90	**45.1**	90	0	
Chromium	100	**104**	92	**105**	92	1	
Copper	50	**77.3**	98	**75.9**	96	2	
Lead	250	**216**	86	**217**	87	1	
Mercury	0.50	**0.515**	103	**0.510**	102	1	
Nickel	100	**102**	90	**103**	90	0	
Zinc	100	**118**	96	**115**	93	3	

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Date of Report: November 2, 2009
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Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-10					
Client ID:	**Product-GW-1009**					
Arsenic	**12**	3.3	200.8	10-31-09	10-31-09	
Cadmium	**ND**	4.4	200.8	10-31-09	10-31-09	
Chromium	**30**	11	200.8	10-31-09	10-31-09	
Copper	**110**	11	200.8	10-31-09	10-31-09	
Lead	**14**	1.1	200.8	10-31-09	10-31-09	
Mercury	**ND**	0.5	7470A	10-30-09	10-30-09	
Nickel	**26**	22	200.8	10-31-09	10-31-09	
Zinc	**120**	28	200.8	10-31-09	10-31-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1030W1&MB1031W2

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**12.3**	**12.9**	5	3.3	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**30.1**	**35.8**	17	11	
Copper	**110**	**115**	4	11	
Lead	**14.2**	**14.7**	4	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Nickel	**26.2**	**28.6**	9	22	
Zinc	**117**	**112**	5	28	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 10-30&31-09
Date Analyzed: 10-30&31-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 10-185-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**121**	99	**124**	101	3	
Cadmium	110	**111**	101	**110**	100	1	
Chromium	110	**122**	84	**122**	84	0	
Copper	110	**209**	89	**215**	95	3	
Lead	110	**121**	97	**124**	99	2	
Mercury	12.5	**11.6**	93	**12.2**	98	6	
Nickel	110	**124**	89	**131**	95	6	
Zinc	110	**216**	90	**226**	99	5	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-185-13					
Client ID:	**PCS-1**					
Chromium	**ND**	0.020	6010B	10-29-09	10-29-09	
Lead	**ND**	0.20	6010B	10-29-09	10-29-09	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	10-28-09
Date Extracted:	10-29-09
Date Analyzed:	10-29-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1029T1

Analyte	Method	Result	PQL
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 10-28-09
Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-185-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Chromium	**ND**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

TCLP Metals
EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 10-28-09
Date Extracted: 10-29-09
Date Analyzed: 10-29-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-185-13

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Chromium	4.0	**4.20**	105	**4.34**	109	3	
Lead	10	**10.1**	101	**10.3**	103	2	

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**PCS-1**					
Laboratory ID:	10-185-13					
Aroclor 1016	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1221	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1232	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1242	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1248	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1254	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Aroclor 1260	**ND**	0.056	EPA 8082	10-28-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*33-122*				

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1028S1					
Aroclor 1016	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1221	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1232	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1242	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1248	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1254	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Aroclor 1260	**ND**	0.050	EPA 8082	10-28-09	10-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-185-13										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.394**	**0.425**	0.500	0.500	ND	**79**	**85**	24-125	8	18	
Surrogate:											
DCB						*88*	*80*	*33-122*			

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Date of Report: November 2, 2009
Samples Submitted: October 23, 2009
Laboratory Reference: 0910-185
Project: 14697

% MOISTURE

Date Analyzed: 10-23&26-09

Client ID	Lab ID	% Moisture
Tank 3-B-1009	10-185-01	14
Product –W1 Wall-1009	10-185-02	9
Tank 4-B-1009	10-185-03	22
Tank 5-B-1009	10-185-04	16
Stockpile-P1	10-185-05	6
Tank 6-B-1009	10-185-06	11
Stockpile-P2	10-185-07	4
Tank 7-B-1009	10-185-08	12
Product-W2 Wall-1009	10-185-09	11
Stockpile-3	10-185-11	14
Tank 8-B-1009	10-185-12	15
PCS-1	10-185-13	10
Tank 9-B-1009	10-185-14	19
Product-N Wall-1009	10-185-15	21
Product-E1 Wall-1009	10-185-16	11
Product E2 Wall-1009	10-185-17	13
Stockpile-P4	10-185-18	5
Stockpile-P5	10-185-19	7
Product-S Wall-1009	10-185-20	18

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

10-185 SEA 10009

PROJECT NAME: Kelly - Moore			DATE: 10/22/09 PAGE 1 OF 2
PROJECT NUMBER: 146097	LABORATORY NAME: OnSite	CLIENT INFORMATION: AMEC Geomx	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	2000 University	
TURNAROUND TIME: Std except where noted		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick up / courier	LABORATORY CONTACT: D. Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425-883-3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	TPH-Gx	NWTPH-Dx	SVOCs (8270)	VOCs (8260)	metals	metals 2	TCLP Pb+Cr	PCBs 8082							Semivolatiles	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/20/09	1450	Tank 3-B-1009	/	/	/	/	/										X	multiple	S	-	HCl No3 None	Y	N	6	
2	10/21/09	1045	Product-W1 Wall-1009	/	/	/	/	/												S	-	None	Y	N	6	
3		1050	Tank 4-B-1009	/	/	/	/	/												S	-		Y	N	6	
4		1300	Tank 5-B-1009	/	/	/	/	/												S	-		Y	N	6	
5		1335	Stockpile-P1	/	/	/	/	/												S	-		Y	N	6	3 day TAT
6		1450	Tank 6-B-1009	/	/	/	/	/												S	-		Y	N	6	
7	↓	1605	Stockpile-P2	/	/	/	/	/												S	-		Y	N	6	3 day TAT
8	10/22/09	855	Tank 7-B-1009	/	/	/	/	/												S	-		Y	N	6	
9		900	Product-W2 Wall-1009	/	/	/	/	/												S	-	↓	Y	N	6	
10		1025	Product-GW-1009	/	/	/	/	/												W	2	HCl No3	Y	Y	15	
11		1050	Stockpile-P3	/	/	/	/	/										X		S	-	None	Y	N	6	3 day TAT
12		1105	Tank 8-B-1009	/	/	/	/	/												S	-	None	Y	N	6	
13		1135	PCS-1	/	/	/	/		/	⊗	⊗									S	-	None	Y	N	8	24 Hr TAT
14		1355	Tank 9-B-1009	/	/	/	/	/												S	-	None	Y	N	6	
15	↓	1400	Product-N Wall-1009	/	/	/	/	/										↓	↓	S	-	None	Y	N	6	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/23/09	900	SIGNATURE:	10/23/09	9:00
PRINTED NAME: Abby Bacon			PRINTED NAME: Speedy		
COMPANY: AMEC GMX			COMPANY: #24		
SIGNATURE:	10/23/09	9:40	SIGNATURE:	10/23/09	9:45
PRINTED NAME:			PRINTED NAME: M Vaun		
COMPANY: Speedy #24			COMPANY: OSE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

metals = As, Cd, Cu, Cr, Pb, Ni, Hg, Zn (6010 & 6020)
Acid wash / Silica Gel cleanup for TPH-Dx
metals 2 = RCRA 8 + Al, Cu, Ni, Sb, Zn
@Added 10/28/09.DB (1 day TAT)

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

CHAIN-OF-CUSTODY RECORD

10-185 SEA 10010

PROJECT NAME: Kelly-Moore			DATE: 10/22/09 PAGE 2 OF 2
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	
TURNAROUND TIME: 24 hr except as noted		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up/courier	LABORATORY CONTACT: E. Daumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425-883-3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

	DATE	TIME	SAMPLE NUMBER	TPH-Gx	NWTPH-Dx	SVOCs (8270)	VOCs (8260)	metals	% Moisture	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
16	10/22/09	1500	Product-E1 Wall-1009	/	/	/	/	/	X	multiple	S	-	None	4	2	6	
17		1515	Product-E2 Wall-1009	/	/	/	/	/			S	-	None	4	2	6	
18		1525	Stockpile-P4	/	/	/	/	/			S	-	None	4	2	6	3 day TAT
19	↓	1530	Stockpile-P5	/	/	/	/	/		↓	S	-	~~Hot~~ None	4	~~2~~ 3	12	3 day TAT
20	10/20/09	1445	Product-S Wall-1009	/	/	/	/	/	↓	multiple	S	-	None	4	2	6	
21	—	—	TRIP BLANK				/				W					4	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/23/09	900	SIGNATURE:	10/22/09	9am
PRINTED NAME: Abby Bazin			PRINTED NAME: Speedy		
COMPANY: AMEC GMX			COMPANY: #24		
SIGNATURE:	10/23/09	9:40	SIGNATURE:	10/23/09	945
PRINTED NAME:			PRINTED NAME: MVOLN		
COMPANY: Speedy			COMPANY: OBE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS:

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 4, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-238

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 29, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

Case Narrative

Samples were collected on October 29, 2009, and received by the laboratory on October 29, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The chromatograms for samples NW Pipe-5.0-1009 and NW Pipe-0.5-1009 are similar to mineral spirits.

The chromatograms for samples NW Pipe-2.0-1009 and NW Pipe-2.5-1009 are similar to mineral spirits with gasoline range organics.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

Samples NW Pipe-2.0-1009 and NW Pipe-0.5-1009 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
N-Nitrosodimethylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**2.6**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Naphthalene	**1.1**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**1.4**	0.23	EPA 8270	10-31-09	11-2-09	
1-Methylnaphthalene	**1.2**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
3-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
2,4-Dinitrophenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
4-Nitrophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**0.40**	0.23	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Fluorene	**0.082**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
4,6-Dinitro-2-methylphenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	1.1	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.84**	0.23	EPA 8270	10-31-09	11-2-09	
Anthracene	**0.092**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Carbazole	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.69**	0.23	EPA 8270	10-31-09	11-2-09	
Benzidine	**ND**	2.3	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.94**	0.23	EPA 8270	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	2.3	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**0.33**	0.23	EPA 8270	10-31-09	11-2-09	
Chrysene	**0.47**	0.23	EPA 8270	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.23	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.52**	0.23	EPA 8270	10-31-09	11-2-09	
Benzo[k]fluoranthene	**0.14**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[a]pyrene	**0.54**	0.23	EPA 8270	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**0.34**	0.23	EPA 8270	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**0.077**	0.045	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[g,h,i]perylene	**0.47**	0.23	EPA 8270	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*16*	*19 - 97*				Q
Phenol-d6	*87*	*22 - 108*				
Nitrobenzene-d5	*100*	*21 - 106*				
2-Fluorobiphenyl	*92*	*29 - 107*				
2,4,6-Tribromophenol	*70*	*44 - 121*				
Terphenyl-d14	*85*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
N-Nitrosodimethylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Naphthalene	**0.072**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**0.031**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
1-Methylnaphthalene	**0.025**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
3-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
2,4-Dinitrophenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
4-Nitrophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
4,6-Dinitro-2-methylphenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.25	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.015**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Carbazole	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzidine	**ND**	0.49	EPA 8270	10-31-09	11-2-09	
Pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	0.49	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Chrysene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.049	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*19 - 97*				
Phenol-d6	*75*	*22 - 108*				
Nitrobenzene-d5	*87*	*21 - 106*				
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*68*	*44 - 121*				
Terphenyl-d14	*75*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
N-Nitrosodimethylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Naphthalene	**0.0083**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4-Chloroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**0.010**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
1-Methylnaphthalene	**0.010**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
3-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4-Nitrophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**0.017**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Anthracene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Carbazole	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.023**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzidine	**ND**	0.38	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.023**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Butylbenzylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	0.38	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**0.012**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Chrysene	**0.016**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
bis(2-Ethylhexyl)phthalate	**0.041**	0.038	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.038	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.017**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[a]pyrene	**0.015**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Indeno[1,2,3-cd]pyrene	**0.012**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Benzo[g,h,i]perylene	**0.015**	0.0077	EPA 8270/SIM	10-31-09	11-2-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*19 - 97*				
Phenol-d6	*63*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*69*	*29 - 107*				
2,4,6-Tribromophenol	*63*	*44 - 121*				
Terphenyl-d14	*70*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Pyridine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Phenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Aniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachloroethane	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Nitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Isophorone	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Naphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Methylnaphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
1-Methylnaphthalene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Acenaphthylene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
2,4-Dinitrophenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
Acenaphthene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Dibenzofuran	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Diethylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Fluorene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
4,6-Dinitro-2-methylphenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Pentachlorophenol	**ND**	0.91	EPA 8270	10-31-09	11-2-09	
Phenanthrene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Carbazole	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Fluoranthene	**0.043**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzidine	**ND**	1.8	EPA 8270	10-31-09	11-2-09	
Pyrene	**0.13**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	10-31-09	11-2-09	
Benzo[a]anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Chrysene	**0.052**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
bis(2-Ethylhexyl)phthalate	**1.4**	0.18	EPA 8270	10-31-09	11-2-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	10-31-09	11-2-09	
Benzo[b]fluoranthene	**0.10**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[k]fluoranthene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[a]pyrene	**0.098**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Indeno[1,2,3-cd]pyrene	**0.075**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Dibenz[a,h]anthracene	**ND**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Benzo[g,h,i]perylene	**0.12**	0.036	EPA 8270/SIM	10-31-09	11-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*66*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*136*	*21 - 106*				Q
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*58*	*44 - 121*				
Terphenyl-d14	*70*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1031S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Pyridine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Phenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Aniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachloroethane	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Nitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Isophorone	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1031S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Dibenzofuran	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Diethylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	10-31-09	10-31-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Carbazole	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzidine	**ND**	0.33	EPA 8270	10-31-09	10-31-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	10-31-09	10-31-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	10-31-09	10-31-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	10-31-09	10-31-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*76*	*19 - 97*				
Phenol-d6	*78*	*22 - 108*				
Nitrobenzene-d5	*78*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*73*	*44 - 121*				
Terphenyl-d14	*78*	*37 - 120*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-251-03										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.977**	**0.984**	1.33	1.33	ND	73	74	38 - 97	1	30	
2-Chlorophenol	**0.872**	**0.864**	1.33	1.33	ND	66	65	28 - 102	1	38	
1,4-Dichlorobenzene	**0.361**	**0.373**	0.667	0.667	ND	54	56	14 - 84	3	41	
N-Nitroso-di-n-propylamine	**0.467**	**0.467**	0.667	0.667	ND	70	70	25 - 104	0	39	
1,2,4-Trichlorobenzene	**0.407**	**0.411**	0.667	0.667	ND	61	62	23 - 93	1	37	
4-Chloro-3-methylphenol	**1.07**	**1.05**	1.33	1.33	ND	80	79	49 - 113	2	31	
Acenaphthene	**0.484**	**0.472**	0.667	0.667	ND	73	71	37 - 101	3	40	
4-Nitrophenol	**0.973**	**0.973**	1.33	1.33	ND	73	73	30 - 136	0	31	
2,4-Dinitrotoluene	**0.484**	**0.471**	0.667	0.667	ND	73	71	36 - 122	3	32	
Pentachlorophenol	**0.901**	**0.828**	1.33	1.33	ND	68	62	15 - 143	8	34	
Pyrene	**0.519**	**0.511**	0.667	0.667	ND	78	77	24 - 138	2	39	
Surrogate:											
2-Fluorophenol						*60*	*58*	*19 - 97*			
Phenol-d6						*66*	*64*	*22 - 108*			
Nitrobenzene-d5						*60*	*59*	*21 - 106*			
2-Fluorobiphenyl						*69*	*66*	*29 - 107*			
2,4,6-Tribromophenol						*67*	*65*	*44 - 121*			
Terphenyl-d14						*72*	*69*	*37 - 120*			

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-2-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-01
Client ID: NW Pipe-2.0-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.083
Chloromethane	ND		0.41
Vinyl Chloride	ND		0.083
Bromomethane	ND		0.083
Chloroethane	ND		0.41
Trichlorofluoromethane	2.4		0.083
1,1-Dichloroethene	ND		0.083
Acetone	15		8.3
Iodomethane	ND		0.41
Carbon Disulfide	ND		0.083
Methylene Chloride	ND		0.41
(trans) 1,2-Dichloroethene	ND		0.083
Methyl t-Butyl Ether	ND		0.083
1,1-Dichloroethane	ND		0.083
Vinyl Acetate	ND		0.41
2,2-Dichloropropane	ND		0.083
(cis) 1,2-Dichloroethene	ND		0.083
2-Butanone	7.3		0.41
Bromochloromethane	ND		0.083
Chloroform	ND		0.083
1,1,1-Trichloroethane	ND		0.083
Carbon Tetrachloride	ND		0.083
1,1-Dichloropropene	ND		0.083
Benzene	ND		0.083
1,2-Dichloroethane	ND		0.083
Trichloroethene	ND		0.083
1,2-Dichloropropane	ND		0.083
Dibromomethane	ND		0.083
Bromodichloromethane	ND		0.083
2-Chloroethyl Vinyl Ether	ND		0.41
(cis) 1,3-Dichloropropene	ND		0.083
Methyl Isobutyl Ketone	150		8.3
Toluene	79		8.3
(trans) 1,3-Dichloropropene	ND		0.083

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Date of Report: November 4, 2009
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Lab ID: 10-238-01
Client ID: NW Pipe-2.0-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.083
Tetrachloroethene	ND		0.083
1,3-Dichloropropane	ND		0.083
2-Hexanone	ND		0.41
Dibromochloromethane	ND		0.083
1,2-Dibromoethane	ND		0.083
Chlorobenzene	ND		0.083
1,1,1,2-Tetrachloroethane	ND		0.083
Ethylbenzene	0.42		0.083
m,p-Xylene	1.2		0.17
o-Xylene	0.29		0.083
Styrene	ND		0.083
Bromoform	ND		0.083
Isopropylbenzene	ND		0.083
Bromobenzene	ND		0.083
1,1,2,2-Tetrachloroethane	ND		0.083
1,2,3-Trichloropropane	ND		0.083
n-Propylbenzene	ND		0.083
2-Chlorotoluene	ND		0.083
4-Chlorotoluene	ND		0.083
1,3,5-Trimethylbenzene	ND		0.083
tert-Butylbenzene	ND		0.083
1,2,4-Trimethylbenzene	ND		0.083
sec-Butylbenzene	ND		0.083
1,3-Dichlorobenzene	ND		0.083
p-Isopropyltoluene	ND		0.083
1,4-Dichlorobenzene	ND		0.083
1,2-Dichlorobenzene	ND		0.083
n-Butylbenzene	ND		0.083
1,2-Dibromo-3-chloropropane	ND		0.41
1,2,4-Trichlorobenzene	ND		0.083
Hexachlorobutadiene	ND		0.41
Naphthalene	ND		0.083
1,2,3-Trichlorobenzene	ND		0.083

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	88	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	85	54-130

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Date Extracted: 11-2-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-02
Client ID: NW Pipe-2.5-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.085
Chloromethane	ND		0.42
Vinyl Chloride	ND		0.085
Bromomethane	ND		0.085
Chloroethane	ND		0.42
Trichlorofluoromethane	ND		0.085
1,1-Dichloroethene	ND		0.085
Acetone	15		0.42
Iodomethane	ND		0.42
Carbon Disulfide	ND		0.085
Methylene Chloride	ND		0.42
(trans) 1,2-Dichloroethene	ND		0.085
Methyl t-Butyl Ether	ND		0.085
1,1-Dichloroethane	ND		0.085
Vinyl Acetate	ND		0.42
2,2-Dichloropropane	ND		0.085
(cis) 1,2-Dichloroethene	ND		0.085
2-Butanone	2.5		0.42
Bromochloromethane	ND		0.085
Chloroform	ND		0.085
1,1,1-Trichloroethane	ND		0.085
Carbon Tetrachloride	ND		0.085
1,1-Dichloropropene	ND		0.085
Benzene	ND		0.085
1,2-Dichloroethane	ND		0.085
Trichloroethene	ND		0.085
1,2-Dichloropropane	ND		0.085
Dibromomethane	ND		0.085
Bromodichloromethane	ND		0.085
2-Chloroethyl Vinyl Ether	ND		0.42
(cis) 1,3-Dichloropropene	ND		0.085
Methyl Isobutyl Ketone	54		8.5
Toluene	ND		0.42
(trans) 1,3-Dichloropropene	ND		0.085

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Lab ID: 10-238-02
Client ID: NW Pipe-2.5-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.085
Tetrachloroethene	ND		0.085
1,3-Dichloropropane	ND		0.085
2-Hexanone	ND		0.42
Dibromochloromethane	ND		0.085
1,2-Dibromoethane	ND		0.085
Chlorobenzene	ND		0.085
1,1,1,2-Tetrachloroethane	ND		0.085
Ethylbenzene	7.6		0.085
m,p-Xylene	0.88		0.17
o-Xylene	ND		0.085
Styrene	ND		0.085
Bromoform	ND		0.085
Isopropylbenzene	ND		0.085
Bromobenzene	ND		0.085
1,1,2,2-Tetrachloroethane	ND		0.085
1,2,3-Trichloropropane	ND		0.085
n-Propylbenzene	0.091		0.085
2-Chlorotoluene	ND		0.085
4-Chlorotoluene	ND		0.085
1,3,5-Trimethylbenzene	ND		0.085
tert-Butylbenzene	ND		0.085
1,2,4-Trimethylbenzene	ND		0.085
sec-Butylbenzene	ND		0.085
1,3-Dichlorobenzene	ND		0.085
p-Isopropyltoluene	ND		0.085
1,4-Dichlorobenzene	ND		0.085
1,2-Dichlorobenzene	ND		0.085
n-Butylbenzene	ND		0.085
1,2-Dibromo-3-chloropropane	ND		0.42
1,2,4-Trichlorobenzene	ND		0.085
Hexachlorobutadiene	ND		0.42
Naphthalene	ND		0.085
1,2,3-Trichlorobenzene	ND		0.085

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	87	54-130

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Date Extracted: 11-2&3-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03
Client ID: NW Pipe-5.0-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	0.12		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	0.025		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	0.068		0.0061
Toluene	0.24		0.060
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 10-238-03
Client ID: NW Pipe-5.0-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.031		0.0012
m,p-Xylene	0.080		0.0024
o-Xylene	0.0087		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	0.012		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	0.012		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.0018		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	0.0026		0.0012
sec-Butylbenzene	0.0085		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	0.011		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	102	54-130

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Date Extracted: 11-2&3-09
Date Analyzed: 11-2&3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-04
Client ID: NW Pipe-0.5-1009

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	0.0060		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.83		0.32
Iodomethane	ND		0.0054
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.047		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	0.20		0.0054
Toluene	1.5		0.32
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 10-238-04
Client ID: NW Pipe-0.5-1009

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	0.0060		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.063		0.0011
m,p-Xylene	1.9		0.13
o-Xylene	0.57		0.064
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.011		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.027		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.78		0.064
tert-Butylbenzene	0.0018		0.0011
1,2,4-Trimethylbenzene	1.4		0.064
sec-Butylbenzene	0.015		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.026		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	0.027		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	124	54-130

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1102S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1102S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	86	54-130

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and is intended only for the use of the individual or company to whom it is addressed.

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Laboratory Reference: 0910-238
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Samples Submitted: October 29, 2009
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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1103S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	101	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	84	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 11-2-09
Date Analyzed: 11-2-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-228-01

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	0.0485/0.0464	0.0357	73	0.0334	72	70-130	
Benzene	ND	0.0485/0.0464	0.0381	78	0.0369	80	70-130	
Trichloroethene	ND	0.0485/0.0464	0.0399	82	0.0394	85	70-124	
Toluene	ND	0.0485/0.0464	0.0385	79	0.0401	86	70-130	
Chlorobenzene	ND	0.0485/0.0464	0.0449	92	0.0433	93	72-127	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	14	
Benzene	3	17	
Trichloroethene	4	13	
Toluene	8	16	
Chlorobenzene	1	15	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-3-09
Date Analyzed: 11-3-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1103S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0547	109	0.0566	113	70-130	
Benzene	0.0500	0.0478	96	0.0480	96	70-128	
Trichloroethene	0.0500	0.0503	101	0.0500	100	70-124	
Toluene	0.0500	0.0478	96	0.0471	94	73-123	
Chlorobenzene	0.0500	0.0533	107	0.0512	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	16	
Benzene	0	15	
Trichloroethene	1	14	
Toluene	1	14	
Chlorobenzene	4	13	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	10-30-09
Date Analyzed:	10-30-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	10-238-05
Client ID:	**Trip blank**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.34		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 10-238-05
Client ID: Trip blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	71-126
Toluene-d8	97	76-116
4-Bromofluorobenzene	84	70-123

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1030W2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1030W2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	99	71-126
Toluene-d8	95	76-116
4-Bromofluorobenzene	83	70-123

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1030W2

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	10.6	106	10.8	108	70-130	
Benzene	10.0	10.9	109	11.3	113	70-130	
Trichloroethene	10.0	10.3	103	10.3	103	70-123	
Toluene	10.0	10.8	108	11.1	111	77-120	
Chlorobenzene	10.0	9.28	93	9.44	94	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	21	
Benzene	4	18	
Trichloroethene	0	18	
Toluene	3	17	
Chlorobenzene	2	18	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01					
Client ID:	**NW Pipe-2.0-1009**					
Arsenic	**ND**	14	6010B	11-3-09	11-3-09	
Barium	**400**	34	6010B	11-3-09	11-4-09	
Cadmium	**ND**	0.68	6010B	11-3-09	11-3-09	
Chromium	**9.0**	0.68	6010B	11-3-09	11-3-09	
Lead	**28**	6.8	6010B	11-3-09	11-3-09	
Mercury	**ND**	0.34	7471A	11-4-09	11-4-09	
Selenium	**ND**	14	6010B	11-3-09	11-3-09	
Silver	**ND**	0.68	6010B	11-3-09	11-3-09	
Lab ID:	10-238-02					
Client ID:	**NW Pipe-2.5-1009**					
Arsenic	**ND**	15	6010B	11-3-09	11-3-09	
Barium	**1400**	37	6010B	11-3-09	11-4-09	
Cadmium	**ND**	0.73	6010B	11-3-09	11-3-09	
Chromium	**3.1**	0.73	6010B	11-3-09	11-3-09	
Lead	**ND**	7.3	6010B	11-3-09	11-3-09	
Mercury	**0.83**	0.37	7471A	11-4-09	11-4-09	
Selenium	**ND**	15	6010B	11-3-09	11-3-09	
Silver	**ND**	0.73	6010B	11-3-09	11-3-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-03					
Client ID:	**NW Pipe-5.0-1009**					
Arsenic	**ND**	11	6010B	11-3-09	11-3-09	
Barium	**24**	2.9	6010B	11-3-09	11-3-09	
Cadmium	**ND**	0.57	6010B	11-3-09	11-3-09	
Chromium	**9.0**	0.57	6010B	11-3-09	11-3-09	
Lead	**ND**	5.7	6010B	11-3-09	11-3-09	
Mercury	**ND**	0.29	7471A	11-4-09	11-4-09	
Selenium	**ND**	11	6010B	11-3-09	11-3-09	
Silver	**ND**	0.57	6010B	11-3-09	11-3-09	
Lab ID:	10-238-04					
Client ID:	**NW Pipe-0.5-1009**					
Arsenic	**ND**	11	6010B	11-3-09	11-3-09	
Barium	**44**	2.7	6010B	11-3-09	11-3-09	
Cadmium	**ND**	0.54	6010B	11-3-09	11-3-09	
Chromium	**22**	0.54	6010B	11-3-09	11-3-09	
Lead	**24**	5.4	6010B	11-3-09	11-3-09	
Mercury	**6.2**	2.7	7471A	11-4-09	11-4-09	
Selenium	**ND**	11	6010B	11-3-09	11-3-09	
Silver	**ND**	0.54	6010B	11-3-09	11-3-09	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1103S3&MB1104S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**20.9**	**23.0**	9	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.85**	**7.25**	8	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-3&4-09
Date Analyzed: 11-3&4-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 10-238-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**99.7**	100	**98.1**	98	2	
Barium	100	**119**	98	**121**	100	2	
Cadmium	50	**47.4**	95	**47.2**	94	1	
Chromium	100	**104**	97	**105**	97	0	
Lead	250	**216**	87	**219**	88	1	
Mercury	0.50	**0.520**	104	**0.515**	103	1	
Selenium	100	**95.7**	96	**94.0**	94	2	
Silver	25	**24.2**	97	**24.1**	96	0	

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-2.0-1009**					
Laboratory ID:	10-238-01					
Aroclor 1016	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.27	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*33-122*				
Client ID:	**NW Pipe-2.5-1009**					
Laboratory ID:	10-238-02					
Aroclor 1016	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.074	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**0.69**	0.074	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*33-122*				
Client ID:	**NW Pipe-5.0-1009**					
Laboratory ID:	10-238-03					
Aroclor 1016	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.057	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*33-122*				

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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**NW Pipe-0.5-1009**					
Laboratory ID:	10-238-04					
Aroclor 1016	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1221	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1232	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1242	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1248	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1254	**ND**	0.054	EPA 8082	10-30-09	11-4-09	
Aroclor 1260	**0.16**	0.054	EPA 8082	10-30-09	11-4-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*68*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Lab Traveler: 0910-238
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1030S1					
Aroclor 1016	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1221	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1232	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1242	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1248	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1254	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Aroclor 1260	**ND**	0.050	EPA 8082	10-30-09	10-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-237-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.480**	**0.458**	0.500	0.500	ND	**96**	**92**	24-125	5	18	
Surrogate:											
DCB						*94*	*95*	*33-122*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01				
Client ID:	**NW Pipe-2.0-1009**				
TPH-Gas	**290**	8.7	10-30-09	10-30-09	Z1
Surrogate: Fluorobenzene	101%	53-126			
Lab ID:	10-238-02				
Client ID:	**NW Pipe-2.5-1009**				
TPH-Gas	**920**	22	10-30-09	11-2-09	Z1
Surrogate: Fluorobenzene	89%	53-126			
Lab ID:	10-238-03				
Client ID:	**NW Pipe-5.0-1009**				
TPH-Gas	**310**	7.0	10-30-09	10-30-09	Z
Surrogate: Fluorobenzene	100%	53-126			
Lab ID:	10-238-04				
Client ID:	**NW Pipe-0.5-1009**				
TPH-Gas	**380**	6.2	10-30-09	11-2-09	Z
Surrogate: Fluorobenzene	92%	53-126			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1030S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	100%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 10-30-09
Date Analyzed: 10-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	10-228-01 **Original**	10-228-01 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	100%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01				
Client ID:	**NW Pipe-2.0-1009**				
Diesel Range	**ND**	600	10-31-09	11-1-09	Y,U1
Lube Oil	**1300**	68	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	82%	50-150			
Lab ID:	10-238-02				
Client ID:	**NW Pipe-2.5-1009**				
Diesel Range	**ND**	1000	10-31-09	11-1-09	Y,U1
Lube Oil	**220**	73	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	88%	50-150			
Lab ID:	10-238-03				
Client ID:	**NW Pipe-5.0-1009**				
Diesel Range	**ND**	73	10-31-09	11-1-09	Y,U1
Lube Oil Range	**ND**	57	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	102%	50-150			
Lab ID:	10-238-04				
Client ID:	**NW Pipe-0.5-1009**				
Diesel Range	**ND**	180	10-31-09	11-1-09	Y,U1
Lube Oil	**280**	54	10-31-09	11-1-09	Y
Surrogate: o-terphenyl	63%	50-150			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	10-31-09
Date Analyzed:	11-1-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1031S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	99%
Flags:	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	10-31-09
Date Analyzed:	11-1-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	10-238-03	10-238-03 DUP
Diesel Range:	**ND**	**ND**
PQL:	64	35
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	102%	89%
Flags:	Y,U1	Y,U1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 4, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238
Project: 14697

% MOISTURE

Date Analyzed: 10-30-09

Client ID	Lab ID	% Moisture
NW Pipe-2.0-1009	10-238-01	26
NW Pipe-2.5-1009	10-238-02	32
NW Pipe-5.0-1009	10-238-03	13
NW Pipe-0.5-1009	10-238-04	8

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

Z1 - The sample chromatogram is similar to mineral spirits with GRO.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

SEA 10016

PROJECT NAME: Kelly-Moore			DATE: 10/29/09 PAGE 1 OF 1
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	10-238
TURNAROUND TIME: Standard		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up	LABORATORY CONTACT: Dana Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425 883 3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	SVOCs (8270)	VOCs (8260)	PAHs 8 metals	PCBs	TPH-Gx	TPH-Dx	% MOISTURE	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/29/09	810	NW Pipe-2.0-1009	/	/	/	/	/	/	X	8oz jar + VOA	S	Y	None	Y	N	7	
2		820	NW Pipe-2.5-1009	/	/	/	/	/	/			S	Y		Y	N	7	
3		825	NW Pipe-5.0-1009	/	/	/	/	/	/			S	Y		Y	N	7	
4	↓	855	NW Pipe-0.5-1009	/	/	/	/	/	/		↓	S	Y	↓	Y	N	7	
5	—	—	Trip Blank		/						VOA	W	N	HCl	Y	N	2	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:	10/29/09	1400	SIGNATURE:	10/29/09	1400
PRINTED NAME: Abby Bazin			PRINTED NAME:		
COMPANY: AMEC GMX			COMPANY: Speedy		
SIGNATURE: Van	10/29/09	1400	SIGNATURE:	10/29/09	1400
PRINTED NAME:			PRINTED NAME: MVOLN		
COMPANY: Speedy			COMPANY: OSE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: Acid wash/Silica gel cleanup for TPH-Dx

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 10, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0910-238B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on October 29, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

Case Narrative

Samples were collected on October 29, 2009, and received by the laboratory on October 29, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	10-238-01					
Client ID:	**NWPipe-2.0-1009**					
Lead	**ND**	0.20	6010B	11-9-09	11-10-09	
Lab ID:	10-238-02					
Client ID:	**NWPipe-2.5-1009**					
Barium	**0.89**	0.20	6010B	11-9-09	11-10-09	
Mercury	**ND**	0.0050	7470A	11-9-09	11-9-09	
Lab ID:	10-238-04					
Client ID:	**NWPipe-0.5-1009**					
Chromium	**ND**	0.020	6010B	11-9-09	11-9-09	
Lead	**ND**	0.20	6010B	11-9-09	11-9-09	
Mercury	**ND**	0.0050	7470A	11-9-09	11-9-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
METHOD BLANK QUALITY CONTROL

Date Prepared:	11-6-09
Date Extracted:	11-9-09
Date Analyzed:	11-9-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1109T1&MB1109T2

Analyte	Method	Result	PQL
Barium	6010B	**ND**	0.20
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20
Mercury	7470A	**ND**	0.0050

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
DUPLICATE QUALITY CONTROL

Date Prepared: 11-6-09
Date Extracted: 11-9-09
Date Analyzed: 11-9-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-238-04

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Barium	**0.578**	**0.574**	1	0.20	
Chromium	**ND**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	
Mercury	**ND**	**ND**	NA	0.0050	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 10, 2009
Samples Submitted: October 29, 2009
Laboratory Reference: 0910-238B
Project: 14697

TCLP METALS
EPA 1311/6010B/7470A
MS/MSD QUALITY CONTROL

Date Prepared: 11-6-09
Date Extracted: 11-9-09
Date Analyzed: 11-9-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 10-238-04

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Barium	4.0	**4.85**	107	**4.59**	100	6	
Chromium	4.0	**4.68**	117	**4.42**	111	6	
Lead	10	**11.4**	114	**10.8**	108	5	
Mercury	0.025	**0.0231**	92	**0.0245**	98	6	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

Z1 - The sample chromatogram is similar to mineral spirits with GRO.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

CHAIN-OF-CUSTODY RECORD

SEA 10016

PROJECT NAME: Kelly-Moore			DATE: 10/29/09 PAGE 1 OF 1
PROJECT NUMBER: 14697	LABORATORY NAME: Onsite	CLIENT INFORMATION: AMEC GMX	REPORTING REQUIREMENTS:
RESULTS TO: Tasya Gray	LABORATORY ADDRESS:	600 University St	10-238
TURNAROUND TIME: Standard		STE 1020	
SAMPLE SHIPMENT METHOD: lab pick-up	LABORATORY CONTACT: Paul Baumeister	Seattle WA 98101	GEOTRACKER REQUIRED YES NO
	LABORATORY PHONE NUMBER: 425 883 3881		SITE SPECIFIC GLOBAL ID NO.

SAMPLERS (SIGNATURE):

ANALYSES

	DATE	TIME	SAMPLE NUMBER	SVOCs (8270)	VOCs (8260)	Izpra 8 metals	PCBs	TPH-Gx	TPH-Dx	TCLP Hg	TCLP Pb	TCLP Cr	TCLP Ba				20 MOISTURE	CONTAINER TYPE AND SIZE	Soil (S), Water (W), Vapor (V), or Other (O)	Filtered	Preservative Type	Cooled	MS/MSD	No. of Containers	ADDITIONAL COMMENTS
1	10/29/09	810	NW Pipe-2.0-1009	/	/	/	/	/	/		⊗						X	8oz jar + VOA	S	1	None	4	2	7	
2		820	NW Pipe-2.5-1009	/	/	/	/	/	/	⊗			⊗						S	1		4	2	7	
3		825	NW Pipe-5.0-1009	/	/	/	/	/	/										S	1		4	2	7	
4	↓	855	NW Pipe-0.5-1009	/	/	/	/	/	/	⊗	⊗	⊗					↓	↓	S	1	↓	4	2	7	
5	—	—	Trip blank		/													VOA	W	N	HCl	4	2	2	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
SIGNATURE:			SIGNATURE:		
PRINTED NAME: Abby Bazin	10/29/09	1400	PRINTED NAME:	10/29/09	1400
COMPANY: AMEC GMX			COMPANY: Speedy		
SIGNATURE: Van			SIGNATURE:		
PRINTED NAME:	10/29/09	1400	PRINTED NAME: MVOU	10/29/30	1400
COMPANY: Speedy			COMPANY: OSE		
SIGNATURE:			SIGNATURE:		
PRINTED NAME:			PRINTED NAME:		
COMPANY:			COMPANY:		

TOTAL NUMBER OF CONTAINERS:

SAMPLING COMMENTS: Acid wash/Silica gel cleanup for TPH-Dx

⊗ Added 11/6/09. DB (2 day TAT)

One Union Square, 600 University Street, Suite 1020
Seattle, Washington 98101-4107
Tel 206.342.1760 Fax 206.342.1761

Geomatrix

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 25, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0911-103

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 13, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

Case Narrative

Samples were collected on November 13, 2009, and received by the laboratory on November 13, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for samples TP4-8-1109 and Product-W2b Wall-1109 due to the necessary dilution of the samples.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample TP4-1-1109 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Please note any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01				
Client ID:	**TP4-8-1109**				
TPH-Gas	**970**	11	11-18-09	11-18-09	Z
Surrogate: Fluorobenzene	102%	53-126			
Lab ID:	11-103-02				
Client ID:	**Product-W2b Wall-1109**				
TPH-Gas	**760**	110	11-18-09	11-19-09	Z
Surrogate: Fluorobenzene	96%	53-126			
Lab ID:	11-103-03				
Client ID:	**Product-W1b Wall-1109**				
TPH-Gas	**120**	12	11-18-09	11-19-09	Z
Surrogate: Fluorobenzene	100%	53-126			
Lab ID:	11-103-05				
Client ID:	**TP4-1-1109**				
TPH-Gas	**ND**	8.3	11-18-09	11-18-09	
Surrogate: Fluorobenzene	98%	53-126			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-18-09
Date Analyzed:	11-18-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1118S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	91%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-18-09
Date Analyzed: 11-18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-117-15	11-117-15		
	Original	**Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	107%	110%		

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01				
Client ID:	**TP4-8-1109**				
Diesel Range	**ND**	54	11-20-09	11-20-09	Y,U1
Lube Oil Range	**ND**	55	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	71%	50-150			
Lab ID:	11-103-02				
Client ID:	**Product-W2b Wall-1109**				
Diesel Range	**ND**	97	11-20-09	11-20-09	Y,U1
Lube Oil Range	**ND**	54	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	84%	50-150			
Lab ID:	11-103-03				
Client ID:	**Product-W1b Wall-1109**				
Diesel Range	**ND**	28	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	56	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	86%	50-150			
Lab ID:	11-103-05				
Client ID:	**TP4-1-1109**				
Diesel Range	**ND**	34	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	68	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	77%	50-150			

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1120S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	85%
Flags:	Y

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Date of Report: November 25, 2009
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Laboratory Reference: 0911-103
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	11-132-01	11-132-01 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	71%	76%
Flags:	Y	Y

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
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Project: 14697

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Date Extracted: 11-16-09
Date Analyzed: 11-16&17-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-01
Client ID: TP4-8-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.056
Chloromethane	ND		0.28
Vinyl Chloride	ND		0.056
Bromomethane	ND		0.056
Chloroethane	ND		0.28
Trichlorofluoromethane	ND		0.056
1,1-Dichloroethene	ND		0.056
Acetone	ND		0.28
Iodomethane	ND		0.28
Carbon Disulfide	ND		0.056
Methylene Chloride	ND		0.28
(trans) 1,2-Dichloroethene	ND		0.056
Methyl t-Butyl Ether	ND		0.056
1,1-Dichloroethane	ND		0.056
Vinyl Acetate	ND		0.28
2,2-Dichloropropane	ND		0.056
(cis) 1,2-Dichloroethene	ND		0.056
2-Butanone	ND		0.28
Bromochloromethane	ND		0.056
Chloroform	ND		0.056
1,1,1-Trichloroethane	ND		0.056
Carbon Tetrachloride	ND		0.056
1,1-Dichloropropene	ND		0.056
Benzene	ND		0.056
1,2-Dichloroethane	ND		0.056
Trichloroethene	ND		0.056
1,2-Dichloropropane	ND		0.056
Dibromomethane	ND		0.056
Bromodichloromethane	ND		0.056
2-Chloroethyl Vinyl Ether	ND		0.28
(cis) 1,3-Dichloropropene	ND		0.056
Methyl Isobutyl Ketone	ND		0.28
Toluene	ND		0.28
(trans) 1,3-Dichloropropene	ND		0.056

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Lab ID: 11-103-01
Client ID: TP4-8-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.056
Tetrachloroethene	ND		0.056
1,3-Dichloropropane	ND		0.056
2-Hexanone	ND		0.28
Dibromochloromethane	ND		0.056
1,2-Dibromoethane	ND		0.056
Chlorobenzene	ND		0.056
1,1,1,2-Tetrachloroethane	ND		0.056
Ethylbenzene	4.2		1.1
m,p-Xylene	5.1		0.11
o-Xylene	0.32		0.056
Styrene	ND		0.056
Bromoform	ND		0.056
Isopropylbenzene	0.68		0.056
Bromobenzene	ND		0.056
1,1,2,2-Tetrachloroethane	ND		0.056
1,2,3-Trichloropropane	ND		0.056
n-Propylbenzene	1.1		0.056
2-Chlorotoluene	ND		0.056
4-Chlorotoluene	ND		0.056
1,3,5-Trimethylbenzene	0.45		0.056
tert-Butylbenzene	ND		0.056
1,2,4-Trimethylbenzene	1.0		0.056
sec-Butylbenzene	0.10		0.056
1,3-Dichlorobenzene	ND		0.056
p-Isopropyltoluene	0.097		0.056
1,4-Dichlorobenzene	ND		0.056
1,2-Dichlorobenzene	ND		0.056
n-Butylbenzene	ND		0.056
1,2-Dibromo-3-chloropropane	ND		0.28
1,2,4-Trichlorobenzene	ND		0.056
Hexachlorobutadiene	ND		0.28
Naphthalene	0.18		0.056
1,2,3-Trichlorobenzene	ND		0.056

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	55-125
Toluene-d8	98	56-127
4-Bromofluorobenzene	86	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-17-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-02
Client ID: Product-W2b Wall-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.059
Chloromethane	ND		0.30
Vinyl Chloride	ND		0.059
Bromomethane	ND		0.059
Chloroethane	ND		0.30
Trichlorofluoromethane	ND		0.059
1,1-Dichloroethene	ND		0.059
Acetone	ND		0.30
Iodomethane	ND		0.30
Carbon Disulfide	ND		0.059
Methylene Chloride	ND		0.30
(trans) 1,2-Dichloroethene	ND		0.059
Methyl t-Butyl Ether	ND		0.059
1,1-Dichloroethane	ND		0.059
Vinyl Acetate	ND		0.30
2,2-Dichloropropane	ND		0.059
(cis) 1,2-Dichloroethene	ND		0.059
2-Butanone	ND		0.30
Bromochloromethane	ND		0.059
Chloroform	ND		0.059
1,1,1-Trichloroethane	ND		0.059
Carbon Tetrachloride	ND		0.059
1,1-Dichloropropene	ND		0.059
Benzene	ND		0.059
1,2-Dichloroethane	ND		0.059
Trichloroethene	ND		0.059
1,2-Dichloropropane	ND		0.059
Dibromomethane	ND		0.059
Bromodichloromethane	ND		0.059
2-Chloroethyl Vinyl Ether	ND		0.30
(cis) 1,3-Dichloropropene	ND		0.059
Methyl Isobutyl Ketone	ND		0.30
Toluene	0.47		0.30
(trans) 1,3-Dichloropropene	ND		0.059

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Laboratory Reference: 0911-103
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Lab ID: 11-103-02
Client ID: Product-W2b Wall-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.059
Tetrachloroethene	ND		0.059
1,3-Dichloropropane	ND		0.059
2-Hexanone	ND		0.30
Dibromochloromethane	ND		0.059
1,2-Dibromoethane	ND		0.059
Chlorobenzene	ND		0.059
1,1,1,2-Tetrachloroethane	ND		0.059
Ethylbenzene	1.2		0.059
m,p-Xylene	2.1		0.12
o-Xylene	0.28		0.059
Styrene	ND		0.059
Bromoform	ND		0.059
Isopropylbenzene	0.44		0.059
Bromobenzene	ND		0.059
1,1,2,2-Tetrachloroethane	ND		0.059
1,2,3-Trichloropropane	ND		0.059
n-Propylbenzene	0.52		0.059
2-Chlorotoluene	ND		0.059
4-Chlorotoluene	ND		0.059
1,3,5-Trimethylbenzene	0.071		0.059
tert-Butylbenzene	ND		0.059
1,2,4-Trimethylbenzene	0.12		0.059
sec-Butylbenzene	0.093		0.059
1,3-Dichlorobenzene	ND		0.059
p-Isopropyltoluene	ND		0.059
1,4-Dichlorobenzene	ND		0.059
1,2-Dichlorobenzene	ND		0.059
n-Butylbenzene	0.087		0.059
1,2-Dibromo-3-chloropropane	ND		0.30
1,2,4-Trichlorobenzene	ND		0.059
Hexachlorobutadiene	ND		0.30
Naphthalene	ND		0.059
1,2,3-Trichlorobenzene	ND		0.059

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	107	55-125
Toluene-d8	100	56-127
4-Bromofluorobenzene	109	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-03
Client ID: Product-W1b Wall-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0057
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0057
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.21		0.0057
Iodomethane	ND		0.0057
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0057
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0057
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.033		0.0057
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0057
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0057
Toluene	ND		0.0057
(trans) 1,3-Dichloropropene	ND		0.0011

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Lab ID: 11-103-03
Client ID: Product-W1b Wall-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0057
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.67		0.063
m,p-Xylene	0.018		0.0023
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.19		0.063
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.33		0.063
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.018		0.0011
tert-Butylbenzene	0.0043		0.0011
1,2,4-Trimethylbenzene	0.042		0.0011
sec-Butylbenzene	0.063		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.0072		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	0.038		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0057
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0057
Naphthalene	0.0030		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	105	55-125
Toluene-d8	94	56-127
4-Bromofluorobenzene	82	54-130

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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-103-05
Client ID: TP4-1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0027
Chloromethane	ND		0.013
Vinyl Chloride	ND		0.0027
Bromomethane	ND		0.0027
Chloroethane	ND		0.013
Trichlorofluoromethane	ND		0.0027
1,1-Dichloroethene	ND		0.0027
Acetone	ND		0.013
Iodomethane	ND		0.013
Carbon Disulfide	ND		0.0027
Methylene Chloride	ND		0.013
(trans) 1,2-Dichloroethene	ND		0.0027
Methyl t-Butyl Ether	ND		0.0027
1,1-Dichloroethane	ND		0.0027
Vinyl Acetate	ND		0.013
2,2-Dichloropropane	ND		0.0027
(cis) 1,2-Dichloroethene	ND		0.0027
2-Butanone	ND		0.013
Bromochloromethane	ND		0.0027
Chloroform	ND		0.0027
1,1,1-Trichloroethane	ND		0.0027
Carbon Tetrachloride	ND		0.0027
1,1-Dichloropropene	ND		0.0027
Benzene	ND		0.0027
1,2-Dichloroethane	ND		0.0027
Trichloroethene	ND		0.0027
1,2-Dichloropropane	ND		0.0027
Dibromomethane	ND		0.0027
Bromodichloromethane	ND		0.0027
2-Chloroethyl Vinyl Ether	ND		0.013
(cis) 1,3-Dichloropropene	ND		0.0027
Methyl Isobutyl Ketone	ND		0.013
Toluene	ND		0.013
(trans) 1,3-Dichloropropene	ND		0.0027

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Lab ID: 11-103-05
Client ID: TP4-1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0027
Tetrachloroethene	ND		0.0027
1,3-Dichloropropane	ND		0.0027
2-Hexanone	ND		0.013
Dibromochloromethane	ND		0.0027
1,2-Dibromoethane	ND		0.0027
Chlorobenzene	ND		0.0027
1,1,1,2-Tetrachloroethane	ND		0.0027
Ethylbenzene	0.0074		0.0027
m,p-Xylene	0.014		0.0053
o-Xylene	ND		0.0027
Styrene	ND		0.0027
Bromoform	ND		0.0027
Isopropylbenzene	ND		0.0027
Bromobenzene	ND		0.0027
1,1,2,2-Tetrachloroethane	ND		0.0027
1,2,3-Trichloropropane	ND		0.0027
n-Propylbenzene	ND		0.0027
2-Chlorotoluene	ND		0.0027
4-Chlorotoluene	ND		0.0027
1,3,5-Trimethylbenzene	ND		0.0027
tert-Butylbenzene	ND		0.0027
1,2,4-Trimethylbenzene	ND		0.0027
sec-Butylbenzene	ND		0.0027
1,3-Dichlorobenzene	ND		0.0027
p-Isopropyltoluene	ND		0.0027
1,4-Dichlorobenzene	ND		0.0027
1,2-Dichlorobenzene	ND		0.0027
n-Butylbenzene	ND		0.0027
1,2-Dibromo-3-chloropropane	ND		0.013
1,2,4-Trichlorobenzene	ND		0.0027
Hexachlorobutadiene	ND		0.013
Naphthalene	ND		0.0027
1,2,3-Trichlorobenzene	ND		0.0027

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	104	55-125
Toluene-d8	100	56-127
4-Bromofluorobenzene	78	54-130

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1116S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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METHOD BLANK QUALITY CONTROL
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Lab ID: MB1116S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	110	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	89	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1116S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits
1,1-Dichloroethene	0.0500	0.0570	114	0.0592	118	70-130
Benzene	0.0500	0.0514	103	0.0508	102	70-128
Trichloroethene	0.0500	0.0508	102	0.0513	103	70-124
Toluene	0.0500	0.0485	97	0.0476	95	73-123
Chlorobenzene	0.0500	0.0461	92	0.0463	93	73-115

	RPD	RPD Limit	Flags
1,1-Dichloroethene	4	16	
Benzene	1	15	
Trichloroethene	1	14	
Toluene	2	14	
Chlorobenzene	0	13	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 11-103-06
Client ID: Trip Blank

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.20		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-103-06
Client ID: Trip Blank

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	71-126
Toluene-d8	91	76-116
4-Bromofluorobenzene	87	70-123

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1116W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1116W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	91	71-126
Toluene-d8	90	76-116
4-Bromofluorobenzene	90	70-123

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-16-09
Date Analyzed: 11-16-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB1116W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits
1,1-Dichloroethene	10.0	10.6	106	10.9	109	70-130
Benzene	10.0	9.85	99	10.1	101	70-130
Trichloroethene	10.0	9.98	100	9.97	100	70-123
Toluene	10.0	9.83	98	9.81	98	77-120
Chlorobenzene	10.0	10.3	103	10.1	101	73-115

	RPD	RPD Limit	Flags
1,1-Dichloroethene	3	21	
Benzene	3	18	
Trichloroethene	0	18	
Toluene	0	17	
Chlorobenzene	2	18	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-8-1109**					
Laboratory ID:	11-103-01					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Naphthalene	**0.091**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**0.040**	0.037	EPA 8270	11-20-09	11-20-09	
1-Methylnaphthalene	**0.018**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 25, 2009
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Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-8-1109**					
Laboratory ID:	11-103-01					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluorene	**0.0093**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**0.054**	0.037	EPA 8270	11-20-09	11-20-09	
Anthracene	**0.0084**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**0.046**	0.037	EPA 8270	11-20-09	11-20-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Pyrene	**0.052**	0.037	EPA 8270	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**0.017**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**0.020**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**0.016**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**0.013**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**0.013**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**0.0099**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**0.012**	0.0073	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*68*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*62*	*21 - 106*				
2-Fluorobiphenyl	*74*	*29 - 107*				
2,4,6-Tribromophenol	*85*	*44 - 121*				
Terphenyl-d14	*89*	*37 - 120*				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2b Wall-1109**					
Laboratory ID:	11-103-02					
N-Nitrosodimethylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Naphthalene	**0.014**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**0.011**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**0.0085**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W2b Wall-1109**					
Laboratory ID:	11-103-02					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Fluorene	**0.0076**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.049**	0.036	EPA 8270	11-20-09	11-23-09	
Anthracene	**0.014**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.11**	0.036	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.36	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.14**	0.036	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.043**	0.036	EPA 8270	11-20-09	11-23-09	
Chrysene	**0.054**	0.036	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.044**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.043**	0.036	EPA 8270	11-20-09	11-23-09	
Benzo[a]pyrene	**0.058**	0.036	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.040**	0.036	EPA 8270	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.0083**	0.0072	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.049**	0.036	EPA 8270	11-20-09	11-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*64*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*66*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*92*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1b Wall-1109**					
Laboratory ID:	11-103-03					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Product-W1b Wall-1109**					
Laboratory ID:	11-103-03					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.012**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.0098**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.011**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Chrysene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[k]fluoranthene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[a]pyrene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*77*	*22 - 108*				
Nitrobenzene-d5	*63*	*21 - 106*				
2-Fluorobiphenyl	*76*	*29 - 107*				
2,4,6-Tribromophenol	*85*	*44 - 121*				
Terphenyl-d14	*92*	*37 - 120*				

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Date of Report: November 25, 2009
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Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B2-1109**					
Laboratory ID:	11-103-04					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Tank 4-B2-1109**					
Laboratory ID:	11-103-04					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.011**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.049**	0.040	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.40	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.056**	0.040	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.045**	0.040	EPA 8270	11-20-09	11-23-09	
Chrysene	**0.065**	0.040	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.076**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.057**	0.040	EPA 8270	11-20-09	11-23-09	
Benzo[a]pyrene	**0.054**	0.040	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.047**	0.040	EPA 8270	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.012**	0.0079	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.055**	0.040	EPA 8270	11-20-09	11-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*91*	*19 - 97*				
Phenol-d6	*90*	*22 - 108*				
Nitrobenzene-d5	*88*	*21 - 106*				
2-Fluorobiphenyl	*87*	*29 - 107*				
2,4,6-Tribromophenol	*91*	*44 - 121*				
Terphenyl-d14	*96*	*37 - 120*				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-1-1109**					
Laboratory ID:	11-103-05					
N-Nitrosodimethylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Pyridine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Phenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Aniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethyl)ether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Chlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,3-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,4-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Benzyl alcohol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Dichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachloroethane	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Nitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Isophorone	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Nitrophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dimethylphenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2,4-Trichlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Naphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4-Chloroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachlorobutadiene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Chloro-3-methylphenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Methylnaphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
1-Methylnaphthalene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Hexachlorocyclopentadiene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4,6-Trichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3-Dichloroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4,5-Trichlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Chloronaphthalene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,4-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Dimethylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,3-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,6-Dinitrotoluene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Dinitrobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Acenaphthylene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
3-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TP4-1-1109**					
Laboratory ID:	11-103-05					
2,4-Dinitrophenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
Acenaphthene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4-Nitrophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,4-Dinitrotoluene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Dibenzofuran	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Diethylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Chlorophenyl-phenylether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Nitroaniline	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Fluorene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
4,6-Dinitro-2-methylphenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
N-Nitrosodiphenylamine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
1,2-Diphenylhydrazine	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
4-Bromophenyl-phenylether	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Hexachlorobenzene	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Pentachlorophenol	**ND**	0.23	EPA 8270	11-20-09	11-23-09	
Phenanthrene	**0.024**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Anthracene	**ND**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Carbazole	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Di-n-butylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Fluoranthene	**0.055**	0.046	EPA 8270	11-20-09	11-23-09	
Benzidine	**ND**	0.46	EPA 8270	11-20-09	11-23-09	
Pyrene	**0.058**	0.046	EPA 8270	11-20-09	11-23-09	
Butylbenzylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
bis-2-Ethylhexyladipate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
3,3'-Dichlorobenzidine	**ND**	0.46	EPA 8270	11-20-09	11-23-09	
Benzo[a]anthracene	**0.034**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Chrysene	**0.050**	0.046	EPA 8270	11-20-09	11-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Di-n-octylphthalate	**ND**	0.046	EPA 8270	11-20-09	11-23-09	
Benzo[b]fluoranthene	**0.061**	0.046	EPA 8270	11-20-09	11-23-09	
Benzo[k]fluoranthene	**0.040**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[a]pyrene	**0.055**	0.046	EPA 8270	11-20-09	11-23-09	
Indeno[1,2,3-cd]pyrene	**0.028**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Dibenz[a,h]anthracene	**0.011**	0.0091	EPA 8270/SIM	11-20-09	11-23-09	
Benzo[g,h,i]perylene	**0.050**	0.046	EPA 8270	11-20-09	11-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*71*	*19 - 97*				
Phenol-d6	*75*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*77*	*29 - 107*				
2,4,6-Tribromophenol	*77*	*44 - 121*				
Terphenyl-d14	*90*	*37 - 120*				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*70*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*93*	*44 - 121*				
Terphenyl-d14	*98*	*37 - 120*				

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
Laboratory ID:	11-132-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.946**	**1.03**	1.33	1.33	ND	71	77	38 - 97	9	30	
2-Chlorophenol	**0.937**	**1.00**	1.33	1.33	ND	70	75	28 - 102	7	38	
1,4-Dichlorobenzene	**0.350**	**0.391**	0.667	0.667	ND	52	59	14 - 84	11	41	
N-Nitroso-di-n-propylamine	**0.442**	**0.471**	0.667	0.667	ND	66	71	25 - 104	6	39	
1,2,4-Trichlorobenzene	**0.405**	**0.443**	0.667	0.667	ND	61	66	23 - 93	9	37	
4-Chloro-3-methylphenol	**1.03**	**1.11**	1.33	1.33	ND	77	83	49 - 113	7	31	
Acenaphthene	**0.449**	**0.496**	0.667	0.667	ND	67	74	37 - 101	10	40	
4-Nitrophenol	**1.02**	**1.10**	1.33	1.33	ND	77	83	30 - 136	8	31	
2,4-Dinitrotoluene	**0.482**	**0.508**	0.667	0.667	ND	72	76	36 - 122	5	32	
Pentachlorophenol	**1.19**	**1.21**	1.33	1.33	ND	89	91	15 - 143	2	34	
Pyrene	**0.569**	**0.811**	0.667	0.667	0.0663	75	112	24 - 138	35	39	
Surrogate:											
2-Fluorophenol						*72*	*77*	*19 - 97*			
Phenol-d6						*71*	*76*	*22 - 108*			
Nitrobenzene-d5						*71*	*76*	*21 - 106*			
2-Fluorobiphenyl						*73*	*79*	*29 - 107*			
2,4,6-Tribromophenol						*83*	*89*	*44 - 121*			
Terphenyl-d14						*86*	*92*	*37 - 120*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-01					
Client ID:	**TP4-8-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.55	6010B	11-20-09	11-20-09	
Chromium	**6.8**	0.55	6010B	11-20-09	11-20-09	
Copper	**8.1**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.5	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**6.8**	2.8	6010B	11-20-09	11-20-09	
Zinc	**18**	2.8	6010B	11-20-09	11-20-09	
Lab ID:	11-103-02					
Client ID:	**Product-W2bWall-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.54	6010B	11-20-09	11-20-09	
Chromium	**9.4**	0.54	6010B	11-20-09	11-20-09	
Copper	**8.8**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.4	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.27	7471A	11-20-09	11-20-09	
Nickel	**9.3**	2.7	6010B	11-20-09	11-20-09	
Zinc	**17**	2.7	6010B	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-103-03					
Client ID:	**Product-W1bWall-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.56	6010B	11-20-09	11-20-09	
Chromium	**9.0**	0.56	6010B	11-20-09	11-20-09	
Copper	**7.2**	1.1	6010B	11-20-09	11-20-09	
Lead	**ND**	5.6	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**6.9**	2.8	6010B	11-20-09	11-20-09	
Zinc	**16**	2.8	6010B	11-20-09	11-20-09	
Lab ID:	11-103-05					
Client ID:	**TP4-1-1109**					
Arsenic	**ND**	14	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.68	6010B	11-20-09	11-20-09	
Chromium	**13**	0.68	6010B	11-20-09	11-20-09	
Copper	**110**	1.4	6010B	11-20-09	11-20-09	
Lead	**52**	6.8	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.34	7471A	11-20-09	11-20-09	
Nickel	**25**	3.4	6010B	11-20-09	11-20-09	
Zinc	**67**	3.4	6010B	11-20-09	11-20-09	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1120S1&MB1120S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**16.3**	**20.0**	20	0.50	
Copper	**13.2**	**12.3**	7	1.0	
Lead	**8.77**	**6.34**	32	5.0	C
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**19.6**	**18.9**	4	2.5	
Zinc	**61.0**	**66.6**	9	2.5	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.9**	95	**83.8**	84	12	
Cadmium	50	**48.2**	96	**42.8**	86	12	
Chromium	100	**114**	97	**102**	85	11	
Copper	50	**62.0**	98	**55.5**	85	11	
Lead	250	**238**	92	**211**	81	12	
Mercury	0.50	**0.491**	98	**0.487**	97	1	
Nickel	100	**116**	96	**105**	86	9	
Zinc	100	**153**	92	**144**	83	6	

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Date of Report: November 25, 2009
Samples Submitted: November 13, 2009
Laboratory Reference: 0911-103
Project: 14697

% MOISTURE

Date Analyzed: 11-16-09

Client ID	Lab ID	% Moisture
TP4-8-1109	11-103-01	9
Product-W2b Wall-1109	11-103-02	8
Product-W1b Wall-1109	11-103-03	11
Tank 4-B2-1109	11-103-04	16
TP4-1-1109	11-103-05	27

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly-Moore
Project Manager: Tasya Tway
Sampled by: Emerald Eidson

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 11-103

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	total Metals: (As, Cd, Cu, Cr, Pb, Ni, Hg, Zn)	% Moisture
1	TP4-8-1109	11/13/09	925	Soil	6		/	/	/		/								/	X
2	Product-W2b Wall-1109		1055	Soil	6		/	/	/		/								/	
3	Product-W1b Wall-1109		1110	Soil	6		/	/	/		/								/	
4	Tank 4-B2-1109		1120	Soil	6		+NO	+NO	+NO		/								+NO	
5	TP4-1-1109		1215	Soil	6		/	/	/		/								/	
6	Trip Blank	—	—	H_2O	2				/											

	Signature	Company	Date	Time
Relinquished by	Emerald Eidson	AMEC GMX	11/13/09	3:38
Received by		Speedy	11/13/09	3:38
Relinquished by		"	"	5:05
Received by			11/13/09	1715
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 30, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697.000
Laboratory Reference No. 0911-132

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 18, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

Case Narrative

Samples were collected on November 17, 2009, and received by the laboratory on November 18, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx and Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01				
Client ID:	**Pipe-C1-1109**				
TPH-Gas	**15**	6.1	11-18-09	11-19-09	
Surrogate: Fluorobenzene	106%	53-126			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-18-09
Date Analyzed:	11-18-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1118S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	89%		

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-18-09
Date Analyzed: 11-18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-117-04 **Original**	11-117-04 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	96%	98%		

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01				
Client ID:	**Pipe-C1-1109**				
Diesel Range	**ND**	28	11-20-09	11-20-09	Y
Lube Oil Range	**ND**	56	11-20-09	11-20-09	Y
Surrogate: o-terphenyl	71%	50-150			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-20-09
Date Analyzed:	11-20-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1120S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	85%
Flags:	Y

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-132-01	11-132-01 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	71%	76%
Flags:	Y	Y

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01
Client ID: Pipe-C1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0054
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0054
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	0.036		0.0054
Iodomethane	ND		0.0054
Carbon Disulfide	0.0015		0.0011
Methylene Chloride	ND		0.0054
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0054
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	0.0060		0.0054
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0054
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0054
Toluene	ND		0.0054
(trans) 1,3-Dichloropropene	ND		0.0011

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-132-01
Client ID: Pipe-C1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0054
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	ND		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	ND		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	ND		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	ND		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	ND		0.0011
sec-Butylbenzene	ND		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	ND		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0054
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0054
Naphthalene	ND		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	116	55-125
Toluene-d8	105	56-127
4-Bromofluorobenzene	91	54-130

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1119S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1119S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	118	55-125
Toluene-d8	110	56-127
4-Bromofluorobenzene	84	54-130

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-19-09
Date Analyzed: 11-19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1119S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0579	116	0.0635	127	70-130	
Benzene	0.0500	0.0528	106	0.0568	114	70-128	
Trichloroethene	0.0500	0.0535	107	0.0555	111	70-124	
Toluene	0.0500	0.0511	102	0.0513	103	73-123	
Chlorobenzene	0.0500	0.0462	92	0.0482	96	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	9	16	
Benzene	7	15	
Trichloroethene	4	14	
Toluene	0	14	
Chlorobenzene	4	13	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Pipe-C1-1109**					
Laboratory ID:	11-132-01					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Pipe-C1-1109**					
Laboratory ID:	11-132-01					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**0.010**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluorene	**0.0093**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**0.041**	0.037	EPA 8270	11-20-09	11-20-09	
Anthracene	**0.021**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**0.082**	0.037	EPA 8270	11-20-09	11-20-09	
Benzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Pyrene	**0.074**	0.037	EPA 8270	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**0.028**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**0.044**	0.037	EPA 8270	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**0.20**	0.037	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**0.038**	0.037	EPA 8270	11-20-09	11-20-09	
Benzo[k]fluoranthene	**0.029**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**0.039**	0.037	EPA 8270	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**0.029**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**0.010**	0.0075	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**0.041**	0.037	EPA 8270	11-20-09	11-20-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*66*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*74*	*29 - 107*				
2,4,6-Tribromophenol	*83*	*44 - 121*				
Terphenyl-d14	*87*	*37 - 120*				

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pyridine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Phenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Aniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Isophorone	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1120S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-20-09	11-20-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Carbazole	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-20-09	11-20-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-20-09	11-20-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-20-09	11-20-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*70*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*78*	*29 - 107*				
2,4,6-Tribromophenol	*93*	*44 - 121*				
Terphenyl-d14	*98*	*37 - 120*				

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

SEMIVOLATILES by EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-132-01										
	MS	MSD	MS	MSD		MS	MSD				
Phenol	**0.946**	**1.03**	1.33	1.33	ND	71	77	38 - 97	9	30	
2-Chlorophenol	**0.937**	**1.00**	1.33	1.33	ND	70	75	28 - 102	7	38	
1,4-Dichlorobenzene	**0.350**	**0.391**	0.667	0.667	ND	52	59	14 - 84	11	41	
N-Nitroso-di-n-propylamine	**0.442**	**0.471**	0.667	0.667	ND	66	71	25 - 104	6	39	
1,2,4-Trichlorobenzene	**0.405**	**0.443**	0.667	0.667	ND	61	66	23 - 93	9	37	
4-Chloro-3-methylphenol	**1.03**	**1.11**	1.33	1.33	ND	77	83	49 - 113	7	31	
Acenaphthene	**0.449**	**0.496**	0.667	0.667	ND	67	74	37 - 101	10	40	
4-Nitrophenol	**1.02**	**1.10**	1.33	1.33	ND	77	83	30 - 136	8	31	
2,4-Dinitrotoluene	**0.482**	**0.508**	0.667	0.667	ND	72	76	36 - 122	5	32	
Pentachlorophenol	**1.19**	**1.21**	1.33	1.33	ND	89	91	15 - 143	2	34	
Pyrene	**0.569**	**0.811**	0.667	0.667	0.0663	75	112	24 - 138	35	39	
Surrogate:											
2-Fluorophenol						*72*	*77*	*19 - 97*			
Phenol-d6						*71*	*76*	*22 - 108*			
Nitrobenzene-d5						*71*	*76*	*21 - 106*			
2-Fluorobiphenyl						*73*	*79*	*29 - 107*			
2,4,6-Tribromophenol						*83*	*89*	*44 - 121*			
Terphenyl-d14						*86*	*92*	*37 - 120*			

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-132-01					
Client ID:	**Pipe-C1-1109**					
Arsenic	**ND**	11	6010B	11-20-09	11-20-09	
Cadmium	**ND**	0.56	6010B	11-20-09	11-20-09	
Chromium	**18**	0.56	6010B	11-20-09	11-20-09	
Copper	**15**	1.1	6010B	11-20-09	11-20-09	
Lead	**9.8**	5.6	6010B	11-20-09	11-20-09	
Mercury	**ND**	0.28	7471A	11-20-09	11-20-09	
Nickel	**22**	2.8	6010B	11-20-09	11-20-09	
Zinc	**68**	2.8	6010B	11-20-09	11-20-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1120S1&MB1120S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**16.3**	**20.0**	20	0.50	
Copper	**13.2**	**12.3**	7	1.0	
Lead	**8.77**	**6.34**	32	5.0	C
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**19.6**	**18.9**	4	2.5	
Zinc	**61.0**	**66.6**	9	2.5	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-20-09
Date Analyzed: 11-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.9**	95	**83.8**	84	12	
Cadmium	50	**48.2**	96	**42.8**	86	12	
Chromium	100	**114**	97	**102**	85	11	
Copper	50	**62.0**	98	**55.5**	85	11	
Lead	250	**238**	92	**211**	81	12	
Mercury	0.50	**0.491**	98	**0.487**	97	1	
Nickel	100	**116**	96	**105**	86	9	
Zinc	100	**153**	92	**144**	83	6	

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Date of Report: November 30, 2009
Samples Submitted: November 18, 2009
Laboratory Reference: 0911-132
Project: 14697.000

% MOISTURE

Date Analyzed: 11-19-09

Client ID	Lab ID	% Moisture
Pipe-C1-1109	11-132-01	11

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 11-132

Company: AMEC Geomatrix
Project Number: 14697.000
Project Name: Kelly Moore Paint Co.
Project Manager: Tasya Gray
Sampled by: Emerald Einlesen

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	As, Cd, Cu, Pb, Ni, Zn, Hg						% Moisture
✓	Pipe-CJ-1109	11/17/09	14:40	soil	6		X	X	X		X								X						X

	Signature	Company	Date	Time
Relinquished by		AMEC GMX	11/18/09	11:25Am
Received by		Speedy	11.18.09	1125am
Relinquished by		"	"	1325
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 2, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0911-192

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on November 24, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

Case Narrative

Samples were collected on November 23 and 24, 2009, and received by the laboratory on November 24, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA Method A cleanup levels are non-achievable for sample B7-Trench-1-1109 due to the necessary dilution of the sample.

Surrogate Standard 4-Bromofluorobenzene is outside control limits for sample B7-Trench-1-1109 due to the high concentration of coeluting compounds.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample B7-Trench-3-1109 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Total Metals EPA 6010B/7471A Analysis

The duplicate RPD for Lead is outside control limits due to sample inhomogeniety.

The Matrix Spike/ Matrix Spike Duplicate recoveries for Lead are outside control limits due to matrix interferences. The Spike Blank recovery was 99%.

Semivolatiles EPA 8270D/SIM Analysis

Sample B7-Trench-2-1109 had three surrogates outside of control limits, due to high concentrations of coeluting target compound, and are flagged with an “F” indicator.

Please note any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02				
Client ID:	**B7-Trench-1-1109**				
TPH-Gas	**30000**	1000	11-30-09	11-30-09	Z1
Surrogate: Fluorobenzene	---	53-126			S
Lab ID:	11-192-03				
Client ID:	**B7-Trench-2-1109**				
TPH-Gas	**33000**	1300	11-30-09	11-30-09	Z2
Surrogate: Fluorobenzene	---	53-126			S
Lab ID:	11-192-04				
Client ID:	**B7-Trench-3-1109**				
TPH-Gas	**72**	6.2	11-30-09	11-30-09	Z3
Surrogate: Fluorobenzene	97%	53-126			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-30-09
Date Analyzed:	11-30-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB1130S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	89%		

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	11-192-04 **Original**	11-192-04 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**64.3**	**71.4**	10	
Surrogate Recovery:				
Fluorobenzene	97%	101%		

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02				
Client ID:	**B7-Trench-1-1109**				
Diesel Range	**21000**	27	11-25-09	11-25-09	Y,M
Lube Oil	**320**	54	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	80%	50-150			
Lab ID:	11-192-03				
Client ID:	**B7-Trench-2-1109**				
Diesel Range	**6500**	28	11-25-09	11-25-09	Y,M
Lube Oil	**450**	56	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	89%	50-150			
Lab ID:	11-192-04				
Client ID:	**B7-Trench-3-1109**				
Diesel Range Organics	**380**	28	11-25-09	11-25-09	Y,M
Lube Oil	**1400**	56	11-25-09	11-25-09	Y
Surrogate: o-terphenyl	78%	50-150			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB1125S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	80%
Flags:	Y

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	11-192-04	11-192-04 DUP
Diesel Range:	**337**	**344**
PQL:	25	25
RPD:	2	
Surrogate Recovery		
o-Terphenyl:	78%	83%
Flags:	Y,M	Y,M

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-02
Client ID: B7-Trench-1-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.1
Chloromethane	ND		5.5
Vinyl Chloride	ND		1.1
Bromomethane	ND		1.1
Chloroethane	ND		5.5
Trichlorofluoromethane	ND		1.1
1,1-Dichloroethene	ND		1.1
Acetone	ND		5.5
Iodomethane	ND		5.5
Carbon Disulfide	ND		1.1
Methylene Chloride	ND		5.5
(trans) 1,2-Dichloroethene	ND		1.1
Methyl t-Butyl Ether	ND		1.1
1,1-Dichloroethane	ND		1.1
Vinyl Acetate	ND		5.5
2,2-Dichloropropane	ND		1.1
(cis) 1,2-Dichloroethene	ND		1.1
2-Butanone	ND		5.5
Bromochloromethane	ND		1.1
Chloroform	ND		1.1
1,1,1-Trichloroethane	ND		1.1
Carbon Tetrachloride	ND		1.1
1,1-Dichloropropene	ND		1.1
Benzene	ND		1.1
1,2-Dichloroethane	ND		1.1
Trichloroethene	ND		1.1
1,2-Dichloropropane	ND		1.1
Dibromomethane	ND		1.1
Bromodichloromethane	ND		1.1
2-Chloroethyl Vinyl Ether	ND		5.5
(cis) 1,3-Dichloropropene	ND		1.1
Methyl Isobutyl Ketone	ND		5.5
Toluene	11		5.5
(trans) 1,3-Dichloropropene	ND		1.1

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-192-02
Client ID: B7-Trench-1-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.1
Tetrachloroethene	ND		1.1
1,3-Dichloropropane	ND		1.1
2-Hexanone	ND		5.5
Dibromochloromethane	ND		1.1
1,2-Dibromoethane	ND		1.1
Chlorobenzene	ND		1.1
1,1,1,2-Tetrachloroethane	ND		1.1
Ethylbenzene	1.8		1.1
m,p-Xylene	17		2.2
o-Xylene	3.6		1.1
Styrene	ND		1.1
Bromoform	ND		1.1
Isopropylbenzene	1.4		1.1
Bromobenzene	ND		1.1
1,1,2,2-Tetrachloroethane	ND		1.1
1,2,3-Trichloropropane	ND		1.1
n-Propylbenzene	4.8		1.1
2-Chlorotoluene	ND		1.1
4-Chlorotoluene	ND		1.1
1,3,5-Trimethylbenzene	20		1.1
tert-Butylbenzene	ND		1.1
1,2,4-Trimethylbenzene	62		1.1
sec-Butylbenzene	2.2		1.1
1,3-Dichlorobenzene	ND		1.1
p-Isopropyltoluene	3.0		1.1
1,4-Dichlorobenzene	ND		1.1
1,2-Dichlorobenzene	ND		1.1
n-Butylbenzene	10		1.1
1,2-Dibromo-3-chloropropane	ND		5.5
1,2,4-Trichlorobenzene	ND		1.1
Hexachlorobutadiene	ND		5.5
Naphthalene	ND		1.1
1,2,3-Trichlorobenzene	ND		1.1

Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	86		55-125
Toluene-d8	84		56-127
4-Bromofluorobenzene	140	Q	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-03
Client ID: B7-Trench-2-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.2
Chloromethane	ND		6.2
Vinyl Chloride	ND		1.2
Bromomethane	ND		1.2
Chloroethane	ND		6.2
Trichlorofluoromethane	ND		1.2
1,1-Dichloroethene	ND		1.2
Acetone	ND		6.2
Iodomethane	ND		6.2
Carbon Disulfide	ND		1.2
Methylene Chloride	ND		6.2
(trans) 1,2-Dichloroethene	ND		1.2
Methyl t-Butyl Ether	ND		1.2
1,1-Dichloroethane	ND		1.2
Vinyl Acetate	ND		6.2
2,2-Dichloropropane	ND		1.2
(cis) 1,2-Dichloroethene	ND		1.2
2-Butanone	14		6.2
Bromochloromethane	ND		1.2
Chloroform	ND		1.2
1,1,1-Trichloroethane	ND		1.2
Carbon Tetrachloride	ND		1.2
1,1-Dichloropropene	ND		1.2
Benzene	ND		1.2
1,2-Dichloroethane	ND		1.2
Trichloroethene	ND		1.2
1,2-Dichloropropane	ND		1.2
Dibromomethane	ND		1.2
Bromodichloromethane	ND		1.2
2-Chloroethyl Vinyl Ether	ND		6.2
(cis) 1,3-Dichloropropene	ND		1.2
Methyl Isobutyl Ketone	25		6.2
Toluene	140		6.2
(trans) 1,3-Dichloropropene	ND		1.2

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 11-192-03
Client ID: B7-Trench-2-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.2
Tetrachloroethene	ND		1.2
1,3-Dichloropropane	ND		1.2
2-Hexanone	ND		6.2
Dibromochloromethane	ND		1.2
1,2-Dibromoethane	ND		1.2
Chlorobenzene	ND		1.2
1,1,1,2-Tetrachloroethane	ND		1.2
Ethylbenzene	890		62
m,p-Xylene	4400		120
o-Xylene	1100		62
Styrene	ND		1.2
Bromoform	ND		1.2
Isopropylbenzene	20		1.2
Bromobenzene	ND		1.2
1,1,2,2-Tetrachloroethane	ND		1.2
1,2,3-Trichloropropane	ND		1.2
n-Propylbenzene	28		1.2
2-Chlorotoluene	ND		1.2
4-Chlorotoluene	ND		1.2
1,3,5-Trimethylbenzene	54		1.2
tert-Butylbenzene	ND		1.2
1,2,4-Trimethylbenzene	210		1.2
sec-Butylbenzene	9.6		1.2
1,3-Dichlorobenzene	ND		1.2
p-Isopropyltoluene	11		1.2
1,4-Dichlorobenzene	ND		1.2
1,2-Dichlorobenzene	ND		1.2
n-Butylbenzene	21		1.2
1,2-Dibromo-3-chloropropane	ND		6.2
1,2,4-Trichlorobenzene	ND		1.2
Hexachlorobutadiene	ND		6.2
Naphthalene	17		1.2
1,2,3-Trichlorobenzene	ND		1.2

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	87	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	119	54-130

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-192-04
Client ID: B7-Trench-3-1109

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0058
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0058
Trichlorofluoromethane	0.078		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0058
Iodomethane	ND		0.0058
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0058
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0058
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0058
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0058
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0058
Toluene	ND		0.0058
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 11-192-04
Client ID: B7-Trench-3-1109

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	0.0035		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0058
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	0.0022		0.0012
m,p-Xylene	0.021		0.0023
o-Xylene	0.0080		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	0.0013		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	0.0018		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0058
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0058
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	67	56-127
4-Bromofluorobenzene	84	54-130

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1125S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: December 2, 2009
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Laboratory Reference: 0911-192
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB1125S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	92	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	95	54-130

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB1125S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0401	80	0.0456	91	70-130	
Benzene	0.0500	0.0420	84	0.0450	90	70-128	
Trichloroethene	0.0500	0.0464	93	0.0435	87	70-124	
Toluene	0.0500	0.0452	90	0.0405	81	73-123	
Chlorobenzene	0.0500	0.0525	105	0.0509	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	13	16	
Benzene	7	15	
Trichloroethene	7	14	
Toluene	11	14	
Chlorobenzene	3	13	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-1-1109**					
Laboratory ID:	11-192-02					
N-Nitrosodimethylamine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Pyridine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Phenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Aniline	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethyl)ether	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Chlorophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,3-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,4-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Benzyl alcohol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,2-Dichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Methylphenol (o-Cresol)	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroisopropyl)ether	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
N-Nitroso-di-n-propylamine	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachloroethane	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Nitrobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Isophorone	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Nitrophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2,4-Dimethylphenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethoxy)methane	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2,4-Dichlorophenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1,2,4-Trichlorobenzene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Naphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
4-Chloroaniline	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachlorobutadiene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
4-Chloro-3-methylphenol	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
2-Methylnaphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
1-Methylnaphthalene	**ND**	3.6	EPA 8270	11-30-09	12-1-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	

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Samples Submitted: November 24, 2009
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-1-1109**					
Laboratory ID:	11-192-02					
2,4-Dinitrophenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.19**	0.18	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Fluorene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.90	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**0.65**	0.18	EPA 8270	11-30-09	11-30-09	
Anthracene	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Carbazole	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**2.5**	0.18	EPA 8270	11-30-09	11-30-09	
Benzidine	**ND**	1.8	EPA 8270	11-30-09	11-30-09	
Pyrene	**2.2**	0.18	EPA 8270	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**2.0**	0.18	EPA 8270	11-30-09	11-30-09	
Chrysene	**2.7**	0.18	EPA 8270	11-30-09	11-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**2.8**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[k]fluoranthene	**2.3**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[a]pyrene	**2.0**	0.18	EPA 8270	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**1.4**	0.18	EPA 8270	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**0.64**	0.18	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**1.6**	0.18	EPA 8270	11-30-09	11-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*31*	*19 - 97*				
Phenol-d6	*71*	*22 - 108*				
Nitrobenzene-d5	*52*	*21 - 106*				
2-Fluorobiphenyl	*103*	*29 - 107*				
2,4,6-Tribromophenol	*92*	*44 - 121*				
Terphenyl-d14	*98*	*37 - 120*				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-2-1109**					
Laboratory ID:	11-192-03					
N-Nitrosodimethylamine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Pyridine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Phenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Aniline	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethyl)ether	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Chlorophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,3-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,4-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Benzyl alcohol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,2-Dichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Methylphenol (o-Cresol)	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroisopropyl)ether	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
N-Nitroso-di-n-propylamine	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachloroethane	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Nitrobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Isophorone	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Nitrophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2,4-Dimethylphenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Chloroethoxy)methane	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2,4-Dichlorophenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
1,2,4-Trichlorobenzene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Naphthalene	**26**	3.7	EPA 8270	11-30-09	12-1-09	
4-Chloroaniline	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachlorobutadiene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
4-Chloro-3-methylphenol	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
2-Methylnaphthalene	**7.4**	3.7	EPA 8270	11-30-09	12-1-09	
1-Methylnaphthalene	**ND**	3.7	EPA 8270	11-30-09	12-1-09	
Hexachlorocyclopentadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-2-1109**					
Laboratory ID:	11-192-03					
2,4-Dinitrophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.51**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**0.27**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluorene	**0.33**	0.19	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**1.6**	0.19	EPA 8270	11-30-09	11-30-09	
Anthracene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Carbazole	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**7.1**	0.19	EPA 8270	11-30-09	11-30-09	
Benzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Pyrene	**6.4**	0.19	EPA 8270	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**7.4**	0.19	EPA 8270	11-30-09	11-30-09	
Chrysene	**12**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**12**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[k]fluoranthene	**6.9**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[a]pyrene	**7.2**	0.19	EPA 8270	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**6.4**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**3.0**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**7.2**	0.19	EPA 8270	11-30-09	11-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*.---*	*19 - 97*				F
Phenol-d6	*.---*	*22 - 108*				F
Nitrobenzene-d5	*.---*	*21 - 106*				F
2-Fluorobiphenyl	*105*	*29 - 107*				
2,4,6-Tribromophenol	*101*	*44 - 121*				
Terphenyl-d14	*102*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-3-1109**					
Laboratory ID:	11-192-04					
N-Nitrosodimethylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pyridine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Phenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Aniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethyl)ether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzyl alcohol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Methylphenol (o-Cresol)	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroisopropyl)ether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
(3+4)-Methylphenol (m,p-Cresol)	**0.22**	0.19	EPA 8270	11-30-09	11-30-09	
N-Nitroso-di-n-propylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachloroethane	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Nitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Isophorone	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dimethylphenol	**0.22**	0.19	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethoxy)methane	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2,4-Trichlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Naphthalene	**1.3**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobutadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chloro-3-methylphenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Methylnaphthalene	**0.46**	0.19	EPA 8270	11-30-09	11-30-09	
1-Methylnaphthalene	**0.24**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorocyclopentadiene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**2.4**	0.19	EPA 8270	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench-3-1109**					
Laboratory ID:	11-192-04					
2,4-Dinitrophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**0.20**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**0.40**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluorene	**1.5**	0.19	EPA 8270	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.94	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**10**	0.19	EPA 8270	11-30-09	11-30-09	
Anthracene	**5.9**	0.19	EPA 8270	11-30-09	11-30-09	
Carbazole	**0.49**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**29**	3.7	EPA 8270	11-30-09	12-1-09	
Benzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Pyrene	**27**	3.7	EPA 8270	11-30-09	12-1-09	
Butylbenzylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	1.9	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**20**	3.7	EPA 8270	11-30-09	12-1-09	
Chrysene	**24**	3.7	EPA 8270	11-30-09	12-1-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**22**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[k]fluoranthene	**19**	3.7	EPA 8270	11-30-09	12-1-09	
Benzo[a]pyrene	**21**	3.7	EPA 8270	11-30-09	12-1-09	
Indeno[1,2,3-cd]pyrene	**14**	3.7	EPA 8270	11-30-09	12-1-09	
Dibenz[a,h]anthracene	**5.0**	0.19	EPA 8270	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**16**	3.7	EPA 8270	11-30-09	12-1-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*79*	*19 - 97*				
Phenol-d6	*85*	*22 - 108*				
Nitrobenzene-d5	*99*	*21 - 106*				
2-Fluorobiphenyl	*94*	*29 - 107*				
2,4,6-Tribromophenol	*81*	*44 - 121*				
Terphenyl-d14	*94*	*37 - 120*				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1130S2					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Pyridine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Phenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Aniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachloroethane	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Nitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Isophorone	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1130S2					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Dibenzofuran	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Diethylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	11-30-09	11-30-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Carbazole	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzidine	**ND**	0.33	EPA 8270	11-30-09	11-30-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	11-30-09	11-30-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	11-30-09	11-30-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	11-30-09	11-30-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*84*	*19 - 97*				
Phenol-d6	*89*	*22 - 108*				
Nitrobenzene-d5	*94*	*21 - 106*				
2-Fluorobiphenyl	*89*	*29 - 107*				
2,4,6-Tribromophenol	*89*	*44 - 121*				
Terphenyl-d14	*96*	*37 - 120*				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1130S2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.10**	**1.12**	1.33	1.33	83	84	27 - 100	2	37	
2-Chlorophenol	**1.06**	**1.06**	1.33	1.33	80	80	23 - 104	0	43	
1,4-Dichlorobenzene	**0.480**	**0.457**	0.667	0.667	72	69	23 - 86	5	40	
N-Nitroso-di-n-propylamine	**0.520**	**0.528**	0.667	0.667	78	79	28 - 96	2	37	
1,2,4-Trichlorobenzene	**0.489**	**0.467**	0.667	0.667	73	70	25 - 90	5	40	
4-Chloro-3-methylphenol	**1.10**	**1.20**	1.33	1.33	83	90	44 - 106	9	31	
Acenaphthene	**0.483**	**0.515**	0.667	0.667	72	77	39 - 93	6	28	
4-Nitrophenol	**1.08**	**1.22**	1.33	1.33	81	92	30 - 124	12	31	
2,4-Dinitrotoluene	**0.514**	**0.569**	0.667	0.667	77	85	53 - 109	10	34	
Pentachlorophenol	**1.20**	**1.38**	1.33	1.33	90	104	47 - 122	14	33	
Pyrene	**0.550**	**0.631**	0.667	0.667	82	95	55 - 108	14	29	
Surrogate:										
2-Fluorophenol					*81*	*81*	*19 - 97*			
Phenol-d6					*85*	*85*	*22 - 108*			
Nitrobenzene-d5					*88*	*88*	*21 - 106*			
2-Fluorobiphenyl					*83*	*86*	*29 - 107*			
2,4,6-Tribromophenol					*83*	*92*	*44 - 121*			
Terphenyl-d14					*91*	*102*	*37 - 120*			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Lab Traveler: 0911-192
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**B7-Trench -1-1109**					
Laboratory ID:	11-192-02					
Aroclor 1016	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.054	EPA 8082	11-25-09	11-25-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*89*	*33-122*				
Client ID:	**B7-Trench -2-1109**					
Laboratory ID:	11-192-03					
Aroclor 1016	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*75*	*33-122*				
Client ID:	**B7-Trench -3-1109**					
Laboratory ID:	11-192-04					
Aroclor 1016	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.056	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**0.092**	0.056	EPA 8082	11-25-09	11-25-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*33-122*				

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Lab Traveler: 0911-192
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1125S1					
Aroclor 1016	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1221	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1232	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1242	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1248	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1254	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Aroclor 1260	**ND**	0.050	EPA 8082	11-25-09	11-25-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-195-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.396**	**0.419**	0.500	0.500	ND	**79**	**84**	24-125	6	18	
Surrogate:											
DCB						*75*	*82*	*33-122*			

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Concrete
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-01					
Client ID:	**Concrete-Bldg7-1109**					
Arsenic	**20**	10	6010B	11-30-09	11-30-09	
Barium	**83**	2.5	6010B	11-30-09	11-30-09	
Cadmium	**ND**	0.50	6010B	11-30-09	11-30-09	
Chromium	**26**	0.50	6010B	11-30-09	11-30-09	
Lead	**85**	5.0	6010B	11-30-09	11-30-09	
Mercury	**ND**	0.25	7471A	11-25-09	11-25-09	
Selenium	**ND**	10	6010B	11-30-09	11-30-09	
Silver	**ND**	0.50	6010B	11-30-09	11-30-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: MB1130S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	11-25-09
Date Analyzed:	11-25-09
Matrix:	Concrete
Units:	mg/kg (ppm)
Lab ID:	MB1125S2

Analyte	Method	Result	PQL
Mercury	7471A	**ND**	0.25

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
DUPLICATE QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-192-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**19.9**	**19.7**	1	10	
Barium	**83.3**	**78.6**	6	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**26.1**	**27.2**	4	0.50	
Lead	**85.5**	**58.2**	38	5.0	K
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B
MS/MSD QUALITY CONTROL

Date Extracted: 11-30-09
Date Analyzed: 11-30-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-192-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**104**	84	**105**	85	1	
Barium	100	**166**	82	**175**	92	5	
Cadmium	50	**47.5**	95	**46.7**	93	2	
Chromium	100	**120**	94	**118**	92	2	
Lead	250	**257**	69	**251**	66	3	V
Selenium	100	**88.9**	89	**90.0**	90	1	
Silver	25	**21.8**	87	**21.5**	86	2	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL MERCURY
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-25-09
Date Analyzed: 11-25-09

Matrix: Concrete
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.50	**0.485**	97	**0.479**	96	1	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-02					
Client ID:	**B7-Trench-1-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**37**	2.7	6010B	11-24-09	11-24-09	
Cadmium	**ND**	0.54	6010B	11-24-09	11-24-09	
Chromium	**19**	0.54	6010B	11-24-09	11-24-09	
Lead	**34**	5.4	6010B	11-24-09	11-24-09	
Mercury	**0.28**	0.27	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.54	6010B	11-24-09	11-24-09	
Lab ID:	11-192-03					
Client ID:	**B7-Trench-2-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**39**	2.8	6010B	11-24-09	11-24-09	
Cadmium	**ND**	0.56	6010B	11-24-09	11-24-09	
Chromium	**16**	0.56	6010B	11-24-09	11-24-09	
Lead	**25**	5.6	6010B	11-24-09	11-24-09	
Mercury	**ND**	0.28	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.56	6010B	11-24-09	11-24-09	
Lab ID:	11-192-04					
Client ID:	**B7-Trench-3-1109**					
Arsenic	**ND**	11	6010B	11-24-09	11-24-09	
Barium	**93**	2.8	6010B	11-24-09	11-24-09	
Cadmium	**1.8**	0.56	6010B	11-24-09	11-24-09	
Chromium	**15**	0.56	6010B	11-24-09	11-24-09	
Lead	**200**	5.6	6010B	11-24-09	11-24-09	
Mercury	**ND**	0.28	7471A	11-25-09	11-25-09	
Selenium	**ND**	11	6010B	11-24-09	11-24-09	
Silver	**ND**	0.56	6010B	11-24-09	11-24-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB1124S1&MB1125S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**39.2**	**42.8**	9	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**7.33**	**7.28**	1	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 11-24&25-09
Date Analyzed: 11-24&25-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 11-172-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**90.1**	90	**93.4**	93	4	
Barium	100	**138**	99	**135**	96	2	
Cadmium	50	**48.2**	96	**48.1**	96	0	
Chromium	100	**105**	98	**113**	105	7	
Lead	250	**230**	92	**232**	93	1	
Mercury	0.50	**0.485**	97	**0.479**	96	1	
Selenium	100	**92.3**	92	**91.7**	92	1	
Silver	25	**22.4**	89	**22.2**	89	1	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	11-192-01					
Client ID:	**Concrete-Bldg7-1109**					
Arsenic	**ND**	0.40	6010B	12-2-09	12-2-09	
Barium	**0.40**	0.20	6010B	12-2-09	12-2-09	
Chromium	**0.023**	0.020	6010B	12-2-09	12-2-09	
Lead	**ND**	0.20	6010B	12-2-09	12-2-09	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
METHOD BLANK QUALITY CONTROL

Date Prepared:	12-1-09
Date Extracted:	12-2-09
Date Analyzed:	12-2-09
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1202T1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	0.40
Barium	6010B	**ND**	0.20
Chromium	6010B	**ND**	0.020
Lead	6010B	**ND**	0.20

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
DUPLICATE QUALITY CONTROL

Date Prepared: 12-1-09
Date Extracted: 12-2-09
Date Analyzed: 12-2-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 11-192-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	0.40	
Barium	**0.399**	**0.395**	1	0.20	
Chromium	**0.0227**	**ND**	NA	0.020	
Lead	**ND**	**ND**	NA	0.20	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

TCLP Metals
EPA 1311/6010B
MS/MSD QUALITY CONTROL

Date Prepared: 12-1-09
Date Extracted: 12-2-09
Date Analyzed: 12-2-09

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 11-192-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	4.0	**4.21**	105	**4.29**	107	2	
Barium	4.0	**4.32**	98	**4.39**	100	2	
Chromium	4.0	**4.28**	107	**4.37**	109	2	
Lead	10	**9.75**	98	**10.0**	100	3	

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Date of Report: December 2, 2009
Samples Submitted: November 24, 2009
Laboratory Reference: 0911-192
Project: 14697

% MOISTURE

Date Analyzed: 11-25-09

Client ID	Lab ID	% Moisture
B7-Trench-1-1109	11-192-02	7
B7-Trench-2-1109	11-192-03	11
B7-Trench-3-1109	11-192-04	11

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to mineral spirits

Z2 - The chromatogram is similar to mineral spirits with GRO.

Z3 - The chromatogram is similar to GRO with DRO.

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Page 1 of 1

Laboratory Number: 11-192

Company: AMEC Geomatrix
Project Number: 14697
Project Name: Kelly Moore Paint Co.
Project Manager: Tagga Gray
Sampled by: Erwin Easton / Cleo Bleecker

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☒ 2 Day (#1) ☐ 3 Day
☒ Standard (7 working days)
(TPH analysis 5 working days)
☐ _____ (other)

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals (As, Ba, Cr, Pb)	HEM by 1664	% Moisture
1	Concrete-Bldg 7-1109	11/23/09	15:45	⊗	1											X	●		
2	B7-Trench-1-1109	11/24/09	845	S	5		X	X	X		X		X			X			X
3	B7-Trench-2-1109	11/24/09	900	S	6		X	X	X		X		X			X			↓
4	B7-Trench-3-1109	11/24/09	930	S	6		X	X	X		X		X			X			

Cleo Bleecker

	Signature	Company	Date	Time
Relinquished by	Cleo Bleecker	AMEC GMX	11/24/09	1425
Received by	Brian Smith	Speedy	11/24/09	1425
Relinquished by	Brian Smith	Speedy	11/24/09	1530
Received by		OSE	11/24/09	1530
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:
⊗ = Concrete
Silica gel/Acid wash cleanup on TPH-Dx
● Added 12/1/09. PB (1 day TAT)

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

Memo

To:	Natasya Gray	Project:	14697
From:	Crystal Neirby	cc:	Project File
Date:	September 7, 2009		

Subject: Kelly Moore Paints – Soil and Groundwater Sampling – August 2009 Summary Data Quality Review – SDGs 0908-035, 0908-035B, 0908-051, 0908-051B, 0908-051C, 0908-054, 0908-054B

This memorandum presents a summary data quality review for analyses of 27 primary soil samples and 13 primary groundwater samples collected from August 5 through 7, 2009. The samples were submitted to OnSite Environmental Inc. (OnSite), a Washington State Department of Ecology (Ecology)-accredited laboratory, located in Redmond, Washington. The analyses were performed in general accordance with methods specified in the U.S. Environmental Protection Agency's (EPA's) Test Methods for Evaluating Solid Waste (SW-846) (EPA, 2008a). The samples were analyzed for the following analytes:

- Total petroleum hydrocarbons (TPH) as gasoline by Ecology Method NWTPH-Gx,
- TPH as gasoline and benzene, toluene, ethylbenzene, and xylenes (BTEX) by NWTPH-Gx,
- TPH as diesel extended by Ecology Method NWTPH-Dx,
- Volatile organic compounds (VOCs) by EPA Method 8260B,
- Semivolatile organic compounds (SVOCs) by EPA Method 8270 with polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270 with selective ion monitoring (SIM),
- Polychlorinated biphenyls (PCBs) by EPA Method 8082; and
- Total metals (Resource Conservation and Recovery Act [RCRA] 8 list) by EPA Method 6010B for soil samples and EPA Method 200.8 for water samples, with mercury analyzed using EPA Method 7471A for soil samples and EPA Method 7470A for water samples.

The samples associated with each sample delivery group (SDG) and a summary of the data quality review are presented in Table 1 (attached). Some samples were submitted and placed on hold, pending results of associated samples. The samples placed on hold are also included in Table 1.

The samples were received within the acceptable temperature range of 4 ± 2°C, and there were no sample discrepancies noted by the laboratory upon receipt. Samples analyzed for TPH as gasoline and VOCs were collected according to EPA Method 5035A. As indicated by the

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laboratory, the samples were submitted in preweighted 40-milliliter (mL) vials within 48 hours of collection and stored frozen until extraction or analysis.

Data were reviewed in accordance with the appropriate method procedures. The most current control limits provided by the laboratory were used to evaluate the quality control data.

The following were reviewed to assess compliance with applicable methods and the laboratory procedures: hold times; method blanks, blank spike (BS) and blank spike duplicate (BSD) results; matrix spike/matrix spike duplicate (MS/MSD) results; surrogate recoveries; laboratory duplicate results; and reporting limits. If data qualification was required, data were qualified in general accordance with the definitions and use of qualifying flags outlined in EPA guidance (EPA, 2004 and 2008).

Soil and groundwater samples were analyzed for TPH as gasoline, TPH as diesel, VOCs, SVOCs, PCBs, and total metals by the methods identified previously in this report and were evaluated for the following criteria.

1. Holding Times – Acceptable except as noted:

   SDG 0908-051C: The analysis of TPH as gasoline, VOCs, and SVOCs for sample KM-16-0809-8 was requested and the sample was extracted on August 27, 2009, seven days past the holding time. The TPH as gasoline, VOC, and SVOC results for sample KM-16-0809-8 are qualified as estimated and flagged with a "J."

   SDG 0908-054B: The analysis of VOCs for sample KM-8-0809-W was requested on August 27, 2009, seven days past the holding time, and the extraction was conducted on August 28, 2009. The VOC results for sample KM-8-0809-W are qualified as estimated and flagged with a "J."

2. Blanks – Acceptable except as noted:

   SVOCs by EPA 8270: The analyte 1,2-diphenylhydrazine was detected in the soil method blank associated with SDG 0908-051 at a concentration of 0.35 mg/kg. This compound was not detected in the associated samples; therefore, the sample results are not qualified.

3. BS/BSD – Acceptable

   The laboratory did not report blank spike results if acceptable MS/MSD or laboratory duplicate results were reported, following its standard operating procedure.

4. MS/MSD – Acceptable

   SDG 0908-035: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH as diesel, VOCs, SVOCs, and PCBs (water analysis). Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

SDG 0908-051: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH gasoline and BTEX, TPH as diesel, VOCs, SVOCs, and PCBs (water analysis). Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

SDG 0908-054: The laboratory did not report MS/MSD results for the following analyses: TPH as gasoline, TPH gasoline, TPH as diesel, VOCs, SVOCs, and PCBs (water analysis). Sample results were evaluated based on BS and BSD results, except for TPH results for which only laboratory duplicate results were submitted.

5. Surrogates – Acceptable except as noted:

   SDG 0908-051
   TPH as Gasoline by NWTPH-Gx: The surrogates were not recovered for samples KM-10-0809-2 and KM-10-0809-5.5 because of the high dilution necessitated by matrix interference. The sample results are not qualified because of the necessary high dilution.

   SVOCs by EPA 8270: The recovery of surrogate nitrobenzene-d5 in sample KM-10-0809-2 was 120 percent, greater than the control limits of 21 to 106 percent. The remaining four surrogates were within the control limits, and the affected analytes were all less than the reporting limit; therefore, sample results are not qualified.

   SDG 0908-054
   TPH as Gasoline by NWTPH-Gx: The surrogates were not recovered for samples KM-7-0809-7 and KM-5-0809-6.5 because of the high dilution necessitated by matrix interference. The sample results are not qualified because of the necessary high dilution.

   SVOCs by EPA 8270: The recovery of surrogate phenol-d6 in sample KM-8-0809-7 was 115 percent, greater than the control limits of 22 to 108 percent. The remaining four surrogates were within the control limits, and the affected analytes were all less than the reporting limit; therefore, sample results are not qualified. The recovery of surrogate 2,4,6-tribromophenol in the method blank associated with the soil samples was 37 percent, less than the control limits of 44 to 121 percent. The remaining surrogates were within the control limits, and the laboratory method allows for one SVOC surrogate to be outside the criteria as long as the recovery is greater than 10 percent.

6. Laboratory Duplicates – Acceptable

7. Reporting Limits and Laboratory Qualifiers – Acceptable except as noted:

   VOCs by EPA 8260B:
   SDG 0908-035: The laboratory noted that the internal standard, 1,4-dichlorobenzene-d4, for soil sample KM-1-0809-2 was not within the criteria

because of matrix interference. The sample was reanalyzed with similar results. The laboratory stated that compounds from bromobenzene onward should be considered estimates. The compounds are not further qualified and are reported as estimated and flagged with a "J."

SDG 0908-051: The laboratory noted that the internal standard, 1,4-dichlorobenzene-d4, for soil samples KM-16-0809-4 and KM-15-0809-4 were not within the criteria because of matrix interference. The samples were reanalyzed with similar results. The laboratory stated that compounds from bromobenzene onward should be considered estimates. Likewise, the internal standards chlorobenzene-d5 and 1,4-dichlorobenzene-d4 were not within the criteria for sample KM-11-0809-2.5. The laboratory stated that compounds from trans-1,3-dichloropropene onward should be considered estimates. The compounds are not further qualified and are reported as estimated and flagged with a "J."

SDG 0908-054: The laboratory stated in the case narrative that some Model Toxics Control Act cleanup levels are not achievable due to the dilution necessitated by matrix interference.

OVERALL ASSESSMENT OF DATA

The OnSite SDGs 0908-035, 0908-035B, 0908-051, 0908-051B, 0908-051C, 0908-054, 0908-054B are 100 percent complete. The data usability is based on EPA's guidance documents. Few problems were identified, and the analytical performance was generally within specified limits. The data are acceptable and meet the project's data quality objectives.

REFERENCES

EPA (U.S. Environmental Protection Agency), 2008a, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846), Third Edition, September 1986; Final Update I, July 1992; Final Update IIA, August 1993; Final Update II, September 1994; Final Update IIB, January 1995; Final Update III, December 1996; Final Update IIIA, April 1998; Final Update IV, January 2008.

EPA, 2004, U.S. EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review: EPA 540-R-04-004, October.

EPA, 2008, U.S. EPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-08-001, June.

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-2-0809-2	08-035-01	none			
KM-2-0809-4.5	08-035-02	HOLD			
KM-1-0809-2	08-035-03	bromobenzene	0.0014 UJ	mg/kg	internal standard recovery
		1,1,2,2-tetrachloroethane	0.0014 UJ		
		1,2,3-trichloropropane	0.0014 UJ		
		n-propylbenzene	0.0014 UJ		
		2-chlorotoluene	0.0014 UJ		
		4-chlorotoluene	0.0014 UJ		
		1,3,5-trimethylbenzene	0.0014 UJ		
		tert-butylbenzene	0.0014 UJ		
		1,2,4-trimethylbenzene	0.0014 UJ		
		sec-butylbenzene	0.0014 UJ		
		1,3-dichlorobenzene	0.0014 UJ		
		p-isopropyltoluene	0.0014 UJ		
		1,4-dichlorobenzene	0.0014 UJ		
		1,2-dichlorobenzene	0.0014 UJ		
		n-butylbenzene	0.0014 UJ		
		1,2-dibromo-3-chloropropane	0.0069 UJ		
		1,2,4-trichlorobenzene	0.0014 UJ		
		hexachlorobutadiene	0.0069 UJ		
		naphthalene	0.0014 UJ		
		1,2,3-trichlorobenzene	0.0014 UJ		
KM-1-0809-6	08-035-04	HOLD			
KM-9-0809-2	08-035-05	none			
KM-9-0809-6.5	08-035-06	HOLD			
KM-2-0809-W	08-035-07	none			
KM-1-0809-W	08-035-08	none			
KM-9-0809-W	08-035-09	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-16-0809-4	08-051-01	bromobenzene	0.0013 UJ	mg/kg	internal standard recovery
		1,1,2,2-tetrachloroethane	0.0013 UJ		
		1,2,3-trichloropropane	0.0013 UJ		
		n-propylbenzene	0.0013 UJ		
		2-chlorotoluene	0.0013 UJ		
		4-chlorotoluene	0.0013 UJ		
		1,3,5-trimethylbenzene	0.0013 UJ		
		tert-butylbenzene	0.0013 UJ		
		1,2,4-trimethylbenzene	0.0013 UJ		
		sec-butylbenzene	0.0013 UJ		
		1,3-dichlorobenzene	0.0013 UJ		
		p-isopropyltoluene	0.0013 UJ		
		1,4-dichlorobenzene	0.0013 UJ		
		1,2-dichlorobenzene	0.0013 UJ		
		n-butylbenzene	0.0013 UJ		
		1,2-dibromo-3-chloropropane	0.0064 UJ		
		1,2,4-trichlorobenzene	0.0013 UJ		
		hexachlorobutadiene	0.0064 UJ		
		naphthalene	0.0013 UJ		
		1,2,3-trichlorobenzene	0.0013 UJ		
KM-16-0809-8	08-051-02	TPH-Gasoline	5.2 UJ	mg/kg	Extracted past holding time
		all VOCs	all UJ		
		all SVOCs	J or UJ		

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-15-0809-4	08-051-03	bromobenzene	0.0012 UJ	mg/kg	internal
		1,1,2,2-tetrachloroethane	0.0012 UJ		standard
		1,2,3-trichloropropane	0.0012 UJ		recovery
		n-propylbenzene	0.0012 UJ		
		2-chlorotoluene	0.0012 UJ		
		4-chlorotoluene	0.0012 UJ		
		1,3,5-trimethylbenzene	0.0012 UJ		
		tert-butylbenzene	0.0012 UJ		
		1,2,4-trimethylbenzene	0.0012 UJ		
		sec-butylbenzene	0.0012 UJ		
		1,3-dichlorobenzene	0.0012 UJ		
		p-isopropyltoluene	0.0012 UJ		
		1,4-dichlorobenzene	0.0012 UJ		
		1,2-dichlorobenzene	0.0012 UJ		
		n-butylbenzene	0.0012 UJ		
		1,2-dibromo-3-chloropropane	0.0059 UJ		
		1,2,4-trichlorobenzene	0.0012 UJ		
		hexachlorobutadiene	0.0059 UJ		
		naphthalene	0.0012 UJ		
		1,2,3-trichlorobenzene	0.0012 UJ		
KM-15-0809-6.5	08-051-04	HOLD			
KM-14-0809-2	08-051-05	none			
KM-14-0809-7	08-051-06	HOLD			
KM-16-0809-W	08-051-07	none			
KM-15-0809-W	08-051-08	HOLD			
KM-14-0809-W	08-051-09	none			
KM-13-0809-2	08-051-10	none			
KM-10-0809-2	08-051-11	none			
KM-10-0809-5.5	08-051-12	none			
KM-10-0809-W	08-051-13	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-11-0809-2.5	08-051-14	trans-1,3-dichloropropene	0.0018 UJ	mg/kg	internal standard recovery
		11,2-trichloroethane	0.0018 UJ		
		tetrachloroethene	0.0018 UJ		
		1,3-dichloropropane	0.0018 UJ		
		2-hexanone	0.0091 UJ		
		dibromochloromethane	0.0018 UJ		
		1,2-dibromoethane	0.0018 UJ		
		chlorobenzene	0.0018 UJ		
		1,1,1,2-tetrachloroethane	0.0018 UJ		
		ethylbenzene	0.0032 J		
		m,p-xylene	0.021 J		
		o-xylene	0.0056 J		
		styrene	0.0018 UJ		
		bromoform	0.0018 UJ		
		isopropylbenzene	0.0018 UJ		
		bromobenzene	0.0018 UJ		
		1,1,2,2-tetrachloroethane	0.0018 UJ		
		1,2,3-trichloropropane	0.0018 UJ		
		n-propylbenzene	0.0018 UJ		
		2-chlorotoluene	0.0018 UJ		
		4-chlorotoluene	0.0018 UJ		
		1,3,5-trimethylbenzene	0.0018 UJ		
		tert-butylbenzene	0.0072 J		
		1,2,4-trimethylbenzene	0.0088 J		
		sec-butylbenzene	0.0079 J		
		1,3-dichlorobenzene	0.0018 UJ		
		p-isopropyltoluene	0.0060 J		
		1,4-dichlorobenzene	0.0018 UJ		
		1,2-dichlorobenzene	0.0018 UJ		
		n-butylbenzene	0.0018 UJ		
		1,2-dibromo-3-chloropropane	0.0091 UJ		
		1,2,4-trichlorobenzene	0.0018 UJ		
		hexachlorobutadiene	0.0091 UJ		
		naphthalene	0.0018 UJ		
		1,2,3-trichlorobenzene	0.0018 UJ		
KM-11-0809-7	08-051-15	none			
KM-11-0809-W	08-051-16	HOLD			
KM-7-0809-2	08-054-01	none			
KM-7-0809-7	08-054-02	none			
KM-7-0809-W	08-054-03	none			

TABLE 1

SUBMITTED SAMPLES AND ASSIGNED DATA QUALIFIERS FOR ANALYZED SAMPLES

Sample ID	Laboratory Sample ID	Qualified Analyte	Qualified Result	Units	Qualifier Reason
KM-8-0809-2	08-054-04	none			
KM-8-0809-7	08-054-05	none			
KM-8-0809-W	08-054-06	VOCs	J or UJ	µg/L	Extracted past holding time
KM-12-0809-2	08-054-07	none			
KM-12-0809-5	08-054-08	HOLD			
KM-12-0809-W	08-054-09	HOLD			
KM-5-0809-2.5	08-054-10	none			
KM-5-0809-6.5	08-054-11	none			
KM-5-0809-W	08-054-12	none			
KM-6-0809-2	08-054-13	none			
KM-6-0809-4	08-054-14	none			
KM-6-0809-W	08-054-15	HOLD			

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 14, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-035

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 5, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

Case Narrative

Samples were collected on August 5, 2009, and received by the laboratory on August 5, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for sample KM-1-0809-2 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx

Date Extracted:	8-7-09					
Date Analyzed:	8-7-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-2-0809-2**			**KM-1-0809-2**		
Lab ID:	08-035-01			08-035-03		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		5.4	**ND**		8.1
Surrogate Recovery:						
Fluorobenzene	79%			93%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx

Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix: Soil	
Units: mg/kg (ppm)	
Client ID:	**KM-9-0809-2**
Lab ID:	08-035-05

	Result	Flags	PQL
TPH-Gas	**ND**		5.2
Surrogate Recovery:			
Fluorobenzene	85%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0807S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	85%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-049-02 **Original**	08-049-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	89%	92%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Client ID:	**KM-2-0809-W**			**KM-1-0809-W**		
Lab ID:	08-035-07			08-035-08		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		100	**ND**		100
Surrogate Recovery:						
Fluorobenzene	98%			99%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix: Water	
Units: ug/L (ppb)	
Client ID:	**KM-9-0809-W**
Lab ID:	08-035-09

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	96%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0810W2

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 94%

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-12-09
Date Analyzed: 8-12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0812W1

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 93%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&12-09
Date Analyzed: 8-10&12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	08-045-02 **Original**	08-045-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	94%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-2-0809-2**	**KM-1-0809-2**	**KM-9-0809-2**
Lab ID:	08-035-01	08-035-03	08-035-05
Diesel Range:	**ND**	**35**	**ND**
PQL:	26	31	27
Identification:	---	Diesel Range Organics	---
Lube Oil Range:	**ND**	**330**	**ND**
PQL:	53	63	54
Identification:	---	Lube Oil	---
Surrogate Recovery			
o-Terphenyl:	75%	74%	84%
Flags:	Y	Y	Y

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0807S1
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	88%
Flags:	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-7-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	08-039-01	08-039-01 DUP
Diesel Range:	**10000**	**7370**
PQL:	130	130
RPD:	30	
Surrogate Recovery		
o-Terphenyl:	99%	91%
Flags:	Y	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: mg/L (ppm)

Client ID:	**KM-2-0809-W**	**KM-1-0809-W**	**KM-9-0809-W**
Lab ID:	08-035-07	08-035-08	08-035-09
Diesel Range:	**ND**	**ND**	**ND**
PQL:	0.28	0.27	0.28
Identification:	---	---	---
Lube Oil Range:	**ND**	**ND**	**ND**
PQL:	0.45	0.43	0.44
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	86%	78%	89%
Flags:	Y	Y	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB0810W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	83%
Flags:	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	08-035-08	08-035-08 DUP
Diesel Range:	**ND**	**ND**
PQL:	0.27	0.28
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	78%	93%
Flags:	Y	Y

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-035-01
Client ID:	**KM-2-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0052
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0052
Trichlorofluoromethane	0.0036		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0052
Iodomethane	ND		0.0052
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0052
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0052
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0052
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0052
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0052
Toluene	ND		0.0052
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-035-01
Client ID: KM-2-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0052
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0021
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0052
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0052
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	113	54-130

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-035-03
Client ID:	**KM-1-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0014
Chloromethane	ND		0.0069
Vinyl Chloride	ND		0.0014
Bromomethane	ND		0.0014
Chloroethane	ND		0.0069
Trichlorofluoromethane	ND		0.0014
1,1-Dichloroethene	ND		0.0014
Acetone	0.16		0.0069
Iodomethane	ND		0.0069
Carbon Disulfide	ND		0.0014
Methylene Chloride	ND		0.0069
(trans) 1,2-Dichloroethene	ND		0.0014
Methyl t-Butyl Ether	ND		0.0014
1,1-Dichloroethane	ND		0.0014
Vinyl Acetate	ND		0.0069
2,2-Dichloropropane	ND		0.0014
(cis) 1,2-Dichloroethene	ND		0.0014
2-Butanone	0.022		0.0069
Bromochloromethane	ND		0.0014
Chloroform	ND		0.0014
1,1,1-Trichloroethane	ND		0.0014
Carbon Tetrachloride	ND		0.0014
1,1-Dichloropropene	ND		0.0014
Benzene	ND		0.0014
1,2-Dichloroethane	ND		0.0014
Trichloroethene	ND		0.0014
1,2-Dichloropropane	ND		0.0014
Dibromomethane	ND		0.0014
Bromodichloromethane	ND		0.0014
2-Chloroethyl Vinyl Ether	ND		0.0069
(cis) 1,3-Dichloropropene	ND		0.0014
Methyl Isobutyl Ketone	ND		0.0069
Toluene	ND		0.0069
(trans) 1,3-Dichloropropene	ND		0.0014

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-035-03
Client ID: KM-1-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0014
Tetrachloroethene	ND		0.0014
1,3-Dichloropropane	ND		0.0014
2-Hexanone	ND		0.0069
Dibromochloromethane	ND		0.0014
1,2-Dibromoethane	ND		0.0014
Chlorobenzene	ND		0.0014
1,1,1,2-Tetrachloroethane	ND		0.0014
Ethylbenzene	ND		0.0014
m,p-Xylene	ND		0.0028
o-Xylene	ND		0.0014
Styrene	ND		0.0014
Bromoform	ND		0.0014
Isopropylbenzene	ND		0.0014
Bromobenzene	ND		0.0014
1,1,2,2-Tetrachloroethane	ND		0.0014
1,2,3-Trichloropropane	ND		0.0014
n-Propylbenzene	ND		0.0014
2-Chlorotoluene	ND		0.0014
4-Chlorotoluene	ND		0.0014
1,3,5-Trimethylbenzene	ND		0.0014
tert-Butylbenzene	ND		0.0014
1,2,4-Trimethylbenzene	ND		0.0014
sec-Butylbenzene	ND		0.0014
1,3-Dichlorobenzene	ND		0.0014
p-Isopropyltoluene	ND		0.0014
1,4-Dichlorobenzene	ND		0.0014
1,2-Dichlorobenzene	ND		0.0014
n-Butylbenzene	ND		0.0014
1,2-Dibromo-3-chloropropane	ND		0.0069
1,2,4-Trichlorobenzene	ND		0.0014
Hexachlorobutadiene	ND		0.0069
Naphthalene	ND		0.0014
1,2,3-Trichlorobenzene	ND		0.0014

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	84	54-130

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CN 9/17/09

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-035-05
Client ID:	**KM-9-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0067
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0067
Trichlorofluoromethane	0.0026		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0067
Iodomethane	ND		0.0067
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0067
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0067
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0067
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	ND		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0067
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0067
Toluene	ND		0.0067
(trans) 1,3-Dichloropropene	ND		0.0013

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
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Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-035-05
Client ID: KM-9-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0067
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0027
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND		0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0067
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0067
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	70	55-125
Toluene-d8	84	56-127
4-Bromofluorobenzene	105	54-130

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 8-6-09
Date Analyzed: 8-6-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0806S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0806S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	55-125
Toluene-d8	79	56-127
4-Bromofluorobenzene	104	54-130

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-6-09
Date Analyzed: 8-6-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0806S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0435	87	0.0408	82	70-130	
Benzene	0.0500	0.0376	75	0.0381	76	70-128	
Trichloroethene	0.0500	0.0404	81	0.0416	83	70-124	
Toluene	0.0500	0.0403	81	0.0391	78	73-123	
Chlorobenzene	0.0500	0.0515	103	0.0527	105	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	6	16	
Benzene	1	15	
Trichloroethene	3	14	
Toluene	3	14	
Chlorobenzene	2	13	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-035-07
Client ID:	**KM-2-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-035-07
Client ID: KM-2-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	71-126
Toluene-d8	86	76-116
4-Bromofluorobenzene	85	70-123

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-035-08
Client ID:	**KM-1-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-035-08
Client ID: KM-1-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	71-126
Toluene-d8	79	76-116
4-Bromofluorobenzene	84	70-123

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-6-09
Date Analyzed:	8-6-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-035-09
Client ID:	**KM-9-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-035-09
Client ID: KM-9-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	0.88		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.75		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	2.3		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	71-126
Toluene-d8	85	76-116
4-Bromofluorobenzene	90	70-123

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 8-6-09
Date Analyzed: 8-6-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0806W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0806W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	71-126
Toluene-d8	84	76-116
4-Bromofluorobenzene	85	70-123

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-6-09
Date Analyzed: 8-6-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0806W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	9.30	93	8.62	86	70-130	
Benzene	10.0	9.50	95	8.96	90	70-130	
Trichloroethene	10.0	9.73	97	9.00	90	70-123	
Toluene	10.0	10.2	102	9.67	97	77-120	
Chlorobenzene	10.0	11.1	111	10.5	105	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	8	21	
Benzene	6	18	
Trichloroethene	8	18	
Toluene	5	17	
Chlorobenzene	5	18	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-2**					
Laboratory ID:	08-035-01					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Pyridine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Phenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Aniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Hexachloroethane	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Nitrobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Isophorone	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-2**					
Laboratory ID:	08-035-01					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Dibenzofuran	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Diethylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
Phenanthrene	**0.010**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Carbazole	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Fluoranthene	**0.030**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Benzidine	**ND**	0.35	EPA 8270	8-6-09	8-7-09	
Pyrene	**0.029**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-6-09	8-7-09	
Benzo[a]anthracene	**0.024**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Chrysene	**0.029**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-6-09	8-7-09	
Benzo[b]fluoranthene	**0.035**	0.035	EPA 8270	8-6-09	8-7-09	
Benzo[k]fluoranthene	**0.016**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[a]pyrene	**0.033**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Indeno[1,2,3-cd]pyrene	**0.022**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Dibenz[a,h]anthracene	**0.0084**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[g,h,i]perylene	**0.026**	0.0070	EPA 8270/SIM	8-6-09	8-7-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*52*	*19 - 97*				
Phenol-d6	*59*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*69*	*29 - 107*				
2,4,6-Tribromophenol	*86*	*44 - 121*				
Terphenyl-d14	*86*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-1-0809-2**					
Laboratory ID:	08-035-03					
N-Nitrosodimethylamine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Pyridine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Phenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Aniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethyl)ether	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Chlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,3-Dichlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,4-Dichlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Benzyl alcohol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,2-Dichlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Methylphenol (o-Cresol)	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroisopropyl)ether	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
N-Nitroso-di-n-propylamine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Hexachloroethane	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Nitrobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Isophorone	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Nitrophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4-Dimethylphenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethoxy)methane	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4-Dichlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,2,4-Trichlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Naphthalene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
4-Chloroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Hexachlorobutadiene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
4-Chloro-3-methylphenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Methylnaphthalene	**0.077**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
1-Methylnaphthalene	**0.064**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Hexachlorocyclopentadiene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4,6-Trichlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,3-Dichloroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4,5-Trichlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Chloronaphthalene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2-Nitroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,4-Dinitrobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Dimethylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,3-Dinitrobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,6-Dinitrotoluene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,2-Dinitrobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Acenaphthylene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
3-Nitroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-1-0809-2**					
Laboratory ID:	08-035-03					
2,4-Dinitrophenol	**ND**	1.0	EPA 8270	8-6-09	8-7-09	
Acenaphthene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
4-Nitrophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,4-Dinitrotoluene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Dibenzofuran	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Diethylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
4-Chlorophenyl-phenylether	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
4-Nitroaniline	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Fluorene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
4,6-Dinitro-2-methylphenol	**ND**	1.0	EPA 8270	8-6-09	8-7-09	
N-Nitrosodiphenylamine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
1,2-Diphenylhydrazine	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
4-Bromophenyl-phenylether	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Hexachlorobenzene	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Pentachlorophenol	**ND**	1.0	EPA 8270	8-6-09	8-7-09	
Phenanthrene	**0.14**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Anthracene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Carbazole	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Di-n-butylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Fluoranthene	**0.15**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Benzidine	**ND**	2.1	EPA 8270	8-6-09	8-7-09	
Pyrene	**0.16**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Butylbenzylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
bis-2-Ethylhexyladipate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
3,3'-Dichlorobenzidine	**ND**	2.1	EPA 8270	8-6-09	8-7-09	
Benzo[a]anthracene	**0.056**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Chrysene	**0.13**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Di-n-octylphthalate	**ND**	0.21	EPA 8270	8-6-09	8-7-09	
Benzo[b]fluoranthene	**0.14**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[k]fluoranthene	**0.047**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[a]pyrene	**0.11**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Indeno[1,2,3-cd]pyrene	**0.054**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Dibenz[a,h]anthracene	**ND**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[g,h,i]perylene	**0.094**	0.042	EPA 8270/SIM	8-6-09	8-7-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*41*	*19 - 97*				
Phenol-d6	*54*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*71*	*29 - 107*				
2,4,6-Tribromophenol	*75*	*44 - 121*				
Terphenyl-d14	*81*	*37 - 120*				

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-9-0809-2**					
Laboratory ID:	08-035-05					
N-Nitrosodimethylamine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Pyridine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Phenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Aniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Chlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Benzyl alcohol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
N-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Hexachloroethane	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Nitrobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Isophorone	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Nitrophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
4-Chloroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Hexachlorobutadiene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Chloronaphthalene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2-Nitroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Dimethylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
3-Nitroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-9-0809-2**					
Laboratory ID:	08-035-05					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
4-Nitrophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Dibenzofuran	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Diethylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
4-Nitroaniline	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Fluorene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
N-Nitrosodiphenylamine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Hexachlorobenzene	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-6-09	8-7-09	
Phenanthrene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Carbazole	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Di-n-butylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Benzidine	**ND**	0.36	EPA 8270	8-6-09	8-7-09	
Pyrene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Butylbenzylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
bis-2-Ethylhexyladipate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
3,3'-Dichlorobenzidine	**ND**	0.36	EPA 8270	8-6-09	8-7-09	
Benzo[a]anthracene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Chrysene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Di-n-octylphthalate	**ND**	0.036	EPA 8270	8-6-09	8-7-09	
Benzo[b]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[a]pyrene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[g,h,i]perylene	**ND**	0.0072	EPA 8270/SIM	8-6-09	8-7-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*51*	*19 - 97*				
Phenol-d6	*55*	*22 - 108*				
Nitrobenzene-d5	*56*	*21 - 106*				
2-Fluorobiphenyl	*58*	*29 - 107*				
2,4,6-Tribromophenol	*87*	*44 - 121*				
Terphenyl-d14	*90*	*37 - 120*				

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0806S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Pyridine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Phenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Aniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Isophorone	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0806S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-6-09	8-7-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-6-09	8-7-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-6-09	8-7-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Carbazole	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Benzidine	**ND**	0.33	EPA 8270	8-6-09	8-7-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-6-09	8-7-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-6-09	8-7-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-6-09	8-7-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*55*	*19 - 97*				
Phenol-d6	*57*	*22 - 108*				
Nitrobenzene-d5	*63*	*21 - 106*				
2-Fluorobiphenyl	*62*	*29 - 107*				
2,4,6-Tribromophenol	*76*	*44 - 121*				
Terphenyl-d14	*78*	*37 - 120*				

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0806S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.645**	**0.741**	1.33	1.33	48	56	27 - 100	14	37	
2-Chlorophenol	**0.649**	**0.739**	1.33	1.33	49	56	23 - 104	13	43	
1,4-Dichlorobenzene	**0.294**	**0.328**	0.667	0.667	44	49	23 - 86	11	40	
N-Nitroso-di-n-propylamine	**0.348**	**0.396**	0.667	0.667	52	59	28 - 96	13	37	
1,2,4-Trichlorobenzene	**0.300**	**0.326**	0.667	0.667	45	49	25 - 90	8	40	
4-Chloro-3-methylphenol	**0.927**	**0.961**	1.33	1.33	70	72	44 - 106	4	31	
Acenaphthene	**0.408**	**0.430**	0.667	0.667	61	64	39 - 93	5	28	
4-Nitrophenol	**1.03**	**0.999**	1.33	1.33	77	75	30 - 124	3	31	
2,4-Dinitrotoluene	**0.496**	**0.485**	0.667	0.667	74	73	53 - 109	2	34	
Pentachlorophenol	**1.14**	**1.07**	1.33	1.33	86	80	47 - 122	6	33	
Pyrene	**0.527**	**0.514**	0.667	0.667	79	77	55 - 108	2	29	
Surrogate:										
2-Fluorophenol					*43*	*48*	*19 - 97*			
Phenol-d6					*45*	*50*	*22 - 108*			
Nitrobenzene-d5					*48*	*55*	*21 - 106*			
2-Fluorobiphenyl					*58*	*64*	*29 - 107*			
2,4,6-Tribromophenol					*79*	*78*	*44 - 121*			
Terphenyl-d14					*79*	*78*	*37 - 120*			

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-W**					
Laboratory ID:	08-035-07					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-W**					
Laboratory ID:	08-035-07					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.2	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.2	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*12 - 91*				
Phenol-d6	*44*	*10 - 102*				
Nitrobenzene-d5	*62*	*27 - 115*				
2-Fluorobiphenyl	*55*	*37 - 111*				
2,4,6-Tribromophenol	*71*	*48 - 121*				
Terphenyl-d14	*69*	*47 - 116*				

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-1-0809-W**					
Laboratory ID:	08-035-08					
N-Nitrosodimethylamine	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	13	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-1-0809-W**					
Laboratory ID:	08-035-08					
2,4-Dinitrophenol	**ND**	13	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	6.6	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	13	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	6.6	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	13	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.13	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	13	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.3	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.013	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*38*	*12 - 91*				
Phenol-d6	*37*	*10 - 102*				
Nitrobenzene-d5	*50*	*27 - 115*				
2-Fluorobiphenyl	*48*	*37 - 111*				
2,4,6-Tribromophenol	*64*	*48 - 121*				
Terphenyl-d14	*63*	*47 - 116*				

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-9-0809-W**					
Laboratory ID:	08-035-09					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**0.77**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**0.27**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**0.45**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**1.6**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

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Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-9-0809-W**					
Laboratory ID:	08-035-09					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**0.33**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**0.14**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**0.12**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**0.021**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**0.020**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**0.020**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**0.014**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**0.010**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*34*	*12 - 91*				
Phenol-d6	*30*	*10 - 102*				
Nitrobenzene-d5	*43*	*27 - 115*				
2-Fluorobiphenyl	*45*	*37 - 111*				
2,4,6-Tribromophenol	*71*	*48 - 121*				
Terphenyl-d14	*65*	*47 - 116*				

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Date of Report: August 14, 2009
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Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

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Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*32*	*12 - 91*				
Phenol-d6	*29*	*10 - 102*				
Nitrobenzene-d5	*77*	*27 - 115*				
2-Fluorobiphenyl	*69*	*37 - 111*				
2,4,6-Tribromophenol	*56*	*48 - 121*				
Terphenyl-d14	*83*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0811W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.5**	**14.0**	40.0	40.0	39	35	17 - 69	10	34	
2-Chlorophenol	**27.7**	**24.2**	40.0	40.0	69	61	36 - 104	13	36	
1,4-Dichlorobenzene	**12.8**	**10.8**	20.0	20.0	64	54	29 - 90	17	34	
N-Nitroso-di-n-propylamine	**12.3**	**11.3**	20.0	20.0	62	57	34 - 101	8	38	
1,2,4-Trichlorobenzene	**13.2**	**11.9**	20.0	20.0	66	60	30 - 97	10	42	
4-Chloro-3-methylphenol	**30.0**	**29.8**	40.0	40.0	75	75	56 - 106	1	26	
Acenaphthene	**14.5**	**14.2**	20.0	20.0	73	71	46 - 94	2	34	
4-Nitrophenol	**21.1**	**22.8**	40.0	40.0	53	57	17 - 100	8	38	
2,4-Dinitrotoluene	**17.5**	**18.6**	20.0	20.0	88	93	50 - 121	6	18	
Pentachlorophenol	**36.5**	**38.2**	40.0	40.0	91	96	37 - 132	5	32	
Pyrene	**16.9**	**17.8**	20.0	20.0	85	89	65 - 108	5	18	
Surrogate:										
2-Fluorophenol					*47*	*40*	*12 - 91*			
Phenol-d6					*34*	*31*	*10 - 102*			
Nitrobenzene-d5					*69*	*63*	*27 - 115*			
2-Fluorobiphenyl					*68*	*65*	*37 - 111*			
2,4,6-Tribromophenol					*81*	*83*	*48 - 121*			
Terphenyl-d14					*82*	*85*	*47 - 116*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 7, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-025
Project: 094-09015

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-2**					
Laboratory ID:	08-035-01					
Aroclor 1016	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-6-09	8-6-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*33-122*				
Client ID:	**KM-1-0809-2**					
Laboratory ID:	08-035-03					
Aroclor 1016	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1221	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1232	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1242	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1248	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1254	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Aroclor 1260	**ND**	0.063	EPA 8082	8-6-09	8-6-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*64*	*33-122*				
Client ID:	**KM-9-0809-2**					
Laboratory ID:	08-035-05					
Aroclor 1016	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1221	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1232	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1242	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1248	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1254	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Aroclor 1260	**ND**	0.054	EPA 8082	8-6-09	8-6-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*33-122*				

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Date of Report: August 7, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-025
Project: 094-09015

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0806S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-6-09	8-6-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*109*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-035-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.358**	**0.383**	0.500	0.500	ND	**72**	**77**	24-125	7	18	
Surrogate:											
DCB						*89*	*88*	*33-122*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 7, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-025
Project: 094-09015

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-2-0809-W**					
Laboratory ID:	08-035-07					
Aroclor 1016	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*39-128*				
Client ID:	**KM-1-0809-W**					
Laboratory ID:	08-035-08					
Aroclor 1016	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*39-128*				
Client ID:	**KM-9-0809-W**					
Laboratory ID:	08-035-09					
Aroclor 1016	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.10	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*39-128*				

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Date of Report: August 7, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-025
Project: 094-09015

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0807W1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*39-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0807W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.374**	**0.369**	0.500	0.500	N/A	**75**	**74**	58-113	1	11	
Surrogate:											
DCB						*79*	*77*	*39-128*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-035-01
Client ID: **KM-2-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Cadmium	6010B	**0.73**	0.53
Chromium	6010B	**10**	0.53
Copper	6010B	**21**	1.1
Lead	6010B	**26**	5.3
Mercury	7471A	**ND**	0.26
Nickel	6010B	**9.1**	2.6
Zinc	6010B	**40**	2.6

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-035-03
Client ID: **KM-1-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	13
Cadmium	6010B	**1.8**	0.63
Chromium	6010B	**17**	0.63
Copper	6010B	**59**	1.3
Lead	6010B	**370**	6.3
Mercury	7471A	**ND**	0.31
Nickel	6010B	**14**	3.1
Zinc	6010B	**150**	3.1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-035-05
Client ID: **KM-9-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**6.2**	0.54
Copper	6010B	**8.5**	1.1
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.27
Nickel	6010B	**5.9**	2.7
Zinc	6010B	**16**	2.7

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0806S3&MB0807S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Copper	6010B	**ND**	1.0
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Nickel	6010B	**ND**	2.5
Zinc	6010B	**ND**	2.5

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-044-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**29.3**	**31.0**	6	0.50	
Copper	**16.2**	**16.3**	1	1.0	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Nickel	**31.8**	**31.1**	2	2.5	
Zinc	**36.6**	**40.7**	10	2.5	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 8-6&7-09
Date Analyzed: 8-6&7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-044-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**92.8**	93	**92.6**	93	0	
Cadmium	50	**48.3**	97	**49.0**	98	2	
Chromium	100	**130**	101	**125**	96	4	
Copper	50	**65.0**	98	**65.1**	98	0	
Lead	250	**241**	97	**246**	98	2	
Mercury	0.50	**0.518**	104	**0.476**	95	8	
Nickel	100	**126**	94	**125**	93	1	
Zinc	100	**133**	96	**130**	94	2	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-07
Client ID: KM-2-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-08
Client ID: KM-1-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**22**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**36**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09
Client ID: KM-9-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10&13-09
Date Analyzed:	8-10&13-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0810W1&MB0813W1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Copper	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Nickel	200.8	**ND**	22
Zinc	200.8	**ND**	28

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**ND**	**ND**	NA	11	
Copper	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Nickel	**ND**	**ND**	NA	22	
Zinc	**ND**	**ND**	NA	28	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	101	**114**	104	3	
Cadmium	110	**113**	103	**116**	105	2	
Chromium	110	**107**	97	**109**	99	2	
Copper	110	**111**	101	**113**	103	2	
Lead	110	**109**	99	**116**	105	6	
Mercury	12.5	**10.8**	86	**10.5**	84	3	
Nickel	110	**106**	97	**109**	99	2	
Zinc	110	**121**	110	**127**	116	6	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 14, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-035
Project: 14697

% MOISTURE

Date Analyzed: 8-6-09

Client ID	Lab ID	% Moisture
KM-2-0809-2	08-035-01	5
KM-1-0809-2	08-035-03	20
KM-9-0809-2	08-035-05	7

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix

Project Number: 14697

Project Name: Kelly Moore Paints (KM)

Project Manager: Tasya Gray

Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-035

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	Total Metals As, Cd, Cu, Cr, Pb, Ni, Hg, Zn			HOLD			% Moisture
1	KM-2-0809-2	8/5/09	820	S	6		X	X	X		X		X						X						X
2	KM-2-0809-4.5		825	S	6		X	X	X		X		X						X			X			
3	KM-0809-2		1025	S	6		X	X	X		X		X						X						X
4	KM-1-0809-6		1030	S	6		X	X	X		X		X						X			X			
5	KM-9-0809-2		1315	S	6		X	X	X		X		X						X						X
6	KM-9-0809-6.5		1320	S	6		X	X	X		X		X						X			X			
7	KM-2-0809-W		910	W	10		X	X	X		X		X						X						
8	KM-1-0809-W		1120	W	10		X	X	X		X		X						X						
9	KM-9-0809-W	↓	1355	W	10		X	X	X		X		X						X						

Chris Brown 8/5/09

	Signature	Company	Date	Time
Relinquished by	Chris Brown	Amec GMX	8/5/09	1455
Received by	Jin Kang	Specon	8/5/09	1455
Relinquished by	Jin Kang		8/5/09	1535
Received by		OSE	8/5/09	1535
Relinquished by				
Received by				

Comments/Special Instructions:

* Hold - KM-2-0809-4.5
- KM-1-0809-6
- KM-9-0809-6.5

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 31, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-035B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 5, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

Case Narrative

Samples were collected on August 5, 2009, and received by the laboratory on August 5, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

TOTAL LEAD
EPA 6010B

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix:	Soil
Units:	mg/kg (ppm)

Client ID	Lab ID	Result	PQL
KM-1-0809-6	08-035-04	**ND**	5.3

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

TOTAL LEAD
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0827S2

Analyte	Method	Result	PQL
Lead	6010B	**ND**	5.0

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

TOTAL LEAD
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-157-21

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Lead	**8.45**	**8.90**	5	5.0	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Laboratory Reference: 0908-035B
Project: 14697

TOTAL LEAD
MS/MSD QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-157-21

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Lead	250	**223**	86	**239**	92	7	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 31, 2009
Samples Submitted: August 5, 2009
Lab Traveler: 0908-035B
Project: 14697

% MOISTURE

Date Analyzed: 8-28-09

Client ID	Lab ID	% Moisture
KM-1-0809-6	08-035-04	5

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 18, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-051

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

Case Narrative

Samples were collected on August 6, 2009, and received by the laboratory on August 7, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B (soil) Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Internal Standard 1,4-Dichlorobenzene-d4 does not meet acceptance criteria for samples KM-16-0809-4 and KM-15-0809-4 due to sample matrix effects. The samples were re-analyzed with similar results. All results, including Practical Quantitation Limits, from Bromobenzene onward should be considered estimates.

Internal Standards Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 do not meet acceptance criteria for sample KM-11-0809-2.5 due to sample matrix effects. The sample was re-analyzed with similar results. All results, including Practical Quantitation Limits, from (trans) 1,3-Dichloropropene onward should be considered estimates.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM (soil) Analysis

Sample KM-10-0809-2 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09					
Date Analyzed:	8-10-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-16-0809-4**			**KM-15-0809-4**		
Lab ID:	08-051-01			08-051-03		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		5.9	**ND**		7.2
Surrogate Recovery:						
Fluorobenzene	90%			89%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09	
Date Analyzed:	8-10-09	
Matrix: Soil		
Units: mg/kg (ppm)		
Client ID:	**KM-14-0809-2**	**KM-13-0809-2**
Lab ID:	08-051-05	08-051-10

	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**8.0**	**Z1**	6.7	**ND**		5.4
Surrogate Recovery:						
Fluorobenzene	88%			91%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09	
Date Analyzed:	8-14-09	
Matrix: Soil		
Units: mg/kg (ppm)		
Client ID:	**KM-10-0809-2**	**KM-10-0809-5.5**
Lab ID:	08-051-11	08-051-12

	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**11000**	**Z1**	2100	**5400**	**Z1**	510
Surrogate Recovery:						
Fluorobenzene	---	**S**		---	**S**	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix: Soil	
Units: mg/kg (ppm)	
Client ID:	**KM-11-0809-2.5**
Lab ID:	08-051-14

	Result	Flags	PQL
TPH-Gas	**300**	**Z2**	8.4
Surrogate Recovery:			
Fluorobenzene	100%		

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB0810S1

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	88%		

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-051-10 **Original**	08-051-10 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	91%	91%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09	
Date Analyzed:	8-10-09	
Matrix: Water		
Units: ug/L (ppb)		
Client ID:	**KM-16-0809-W**	**KM-14-0809-W**
Lab ID:	08-051-07	08-051-09

	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**1300**		100	**ND**		100
Surrogate Recovery:						
Fluorobenzene	95%			97%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Client ID: **KM-10-0809-W**
Lab ID: 08-051-13

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 95%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0810W2

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	94%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-12-09
Date Analyzed: 8-12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0812W1

	Result	Flags	PQL
TPH-Gas	**ND**		100

Surrogate Recovery:
Fluorobenzene 93%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&12-09
Date Analyzed: 8-10&12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	08-045-02 **Original**	08-045-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	94%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-16-0809-4**	**KM-15-0809-4**	**KM-14-0809-2**
Lab ID:	08-051-01	08-051-03	08-051-05
Diesel Range:	**ND**	**38**	**35**
PQL:	27	30	28
Identification:	---	Diesel Range Organics	Diesel Range Organics
Lube Oil Range:	**160**	**210**	**130**
PQL:	54	60	56
Identification:	Lube Oil	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	95%	100%	83%
Flags:	Y	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-13-0809-2**	**KM-10-0809-2**	**KM-10-0809-5.5**
Lab ID:	08-051-10	08-051-11	08-051-12
Diesel Range:	**ND**	**5600**	**2700**
PQL:	26	130	27
Identification:	---	Diesel Range Organics	Diesel Range Organics
Lube Oil Range:	**ND**	**2200**	**280**
PQL:	53	260	53
Identification:	---	Lube Oil	Lube Oil
Surrogate Recovery			
o-Terphenyl:	97%	112%	97%
Flags:	Y	Y,M,N1	Y,M,N1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)
Client ID:	**KM-11-0809-2.5**
Lab ID:	08-051-14
Diesel Range:	**1100**
PQL:	32
Identification:	Diesel Range Organics
Lube Oil Range:	**440**
PQL:	63
Identification:	Lube Oil
Surrogate Recovery	
o-Terphenyl:	89%
Flags:	Y,M,N1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0813S2
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	91%
Flags:	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	08-051-10	08-051-10 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	97%	88%
Flags:	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: mg/L (ppm)

Client ID:	**KM-16-0809-W**	**KM-14-0809-W**	**KM-10-0809-W**
Lab ID:	08-051-07	08-051-09	08-051-13
Diesel Range:	**ND**	**ND**	**ND**
PQL:	0.28	0.28	0.27
Identification:	---	---	---
Lube Oil Range:	**ND**	**ND**	**ND**
PQL:	0.45	0.44	0.44
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	75%	80%	89%
Flags:	Y	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB0810W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	83%
Flags:	Y

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	08-035-08	08-035-08 DUP
Diesel Range:	**ND**	**ND**
PQL:	0.27	0.28
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	78%	93%
Flags:	Y	Y

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VOLATILES by EPA 8260B
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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-01
Client ID:	**KM-16-0809-4**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0013
Chloromethane	ND		0.0064
Vinyl Chloride	ND		0.0013
Bromomethane	ND		0.0013
Chloroethane	ND		0.0064
Trichlorofluoromethane	0.0020		0.0013
1,1-Dichloroethene	ND		0.0013
Acetone	ND		0.0064
Iodomethane	ND		0.0064
Carbon Disulfide	ND		0.0013
Methylene Chloride	ND		0.0064
(trans) 1,2-Dichloroethene	ND		0.0013
Methyl t-Butyl Ether	ND		0.0013
1,1-Dichloroethane	ND		0.0013
Vinyl Acetate	ND		0.0064
2,2-Dichloropropane	ND		0.0013
(cis) 1,2-Dichloroethene	ND		0.0013
2-Butanone	ND		0.0064
Bromochloromethane	ND		0.0013
Chloroform	ND		0.0013
1,1,1-Trichloroethane	ND		0.0013
Carbon Tetrachloride	ND		0.0013
1,1-Dichloropropene	ND		0.0013
Benzene	ND		0.0013
1,2-Dichloroethane	ND		0.0013
Trichloroethene	0.011		0.0013
1,2-Dichloropropane	ND		0.0013
Dibromomethane	ND		0.0013
Bromodichloromethane	ND		0.0013
2-Chloroethyl Vinyl Ether	ND		0.0064
(cis) 1,3-Dichloropropene	ND		0.0013
Methyl Isobutyl Ketone	ND		0.0064
Toluene	ND		0.0064
(trans) 1,3-Dichloropropene	ND		0.0013

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Project: 14697

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Lab ID: 08-051-01
Client ID: KM-16-0809-4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0013
Tetrachloroethene	ND		0.0013
1,3-Dichloropropane	ND		0.0013
2-Hexanone	ND		0.0064
Dibromochloromethane	ND		0.0013
1,2-Dibromoethane	ND		0.0013
Chlorobenzene	ND		0.0013
1,1,1,2-Tetrachloroethane	ND		0.0013
Ethylbenzene	ND		0.0013
m,p-Xylene	ND		0.0026
o-Xylene	ND		0.0013
Styrene	ND		0.0013
Bromoform	ND		0.0013
Isopropylbenzene	ND		0.0013
Bromobenzene	ND	J	0.0013
1,1,2,2-Tetrachloroethane	ND		0.0013
1,2,3-Trichloropropane	ND		0.0013
n-Propylbenzene	ND		0.0013
2-Chlorotoluene	ND		0.0013
4-Chlorotoluene	ND		0.0013
1,3,5-Trimethylbenzene	ND		0.0013
tert-Butylbenzene	ND		0.0013
1,2,4-Trimethylbenzene	ND		0.0013
sec-Butylbenzene	ND		0.0013
1,3-Dichlorobenzene	ND		0.0013
p-Isopropyltoluene	ND		0.0013
1,4-Dichlorobenzene	ND		0.0013
1,2-Dichlorobenzene	ND		0.0013
n-Butylbenzene	ND		0.0013
1,2-Dibromo-3-chloropropane	ND		0.0064
1,2,4-Trichlorobenzene	ND		0.0013
Hexachlorobutadiene	ND		0.0064
Naphthalene	ND		0.0013
1,2,3-Trichlorobenzene	ND		0.0013

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	88	54-130

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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-03
Client ID:	**KM-15-0809-4**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0059
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0059
Trichlorofluoromethane	0.0024		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0059
Iodomethane	ND		0.0059
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0059
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0059
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0059
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0059
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0059
Toluene	ND		0.0059
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 08-051-03
Client ID: KM-15-0809-4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	0.0043		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0059
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0059
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0059
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	82	54-130

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Date of Report: August 18, 2009
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Laboratory Reference: 0908-051
Project: 14697

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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-05
Client ID:	**KM-14-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0051
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0051
Trichlorofluoromethane	0.0021		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0051
Iodomethane	ND		0.0051
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0051
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0051
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0051
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0051
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0051
Toluene	ND		0.0051
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
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Lab ID: 08-051-05
Client ID: KM-14-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0051
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0051
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0051
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	78	55-125
Toluene-d8	85	56-127
4-Bromofluorobenzene	99	54-130

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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-10
Client ID:	**KM-13-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.00097
Chloromethane	ND		0.0049
Vinyl Chloride	ND		0.00097
Bromomethane	ND		0.00097
Chloroethane	ND		0.0049
Trichlorofluoromethane	ND		0.00097
1,1-Dichloroethene	ND		0.00097
Acetone	ND		0.0049
Iodomethane	ND		0.0049
Carbon Disulfide	ND		0.00097
Methylene Chloride	ND		0.0049
(trans) 1,2-Dichloroethene	ND		0.00097
Methyl t-Butyl Ether	ND		0.00097
1,1-Dichloroethane	ND		0.00097
Vinyl Acetate	ND		0.0049
2,2-Dichloropropane	ND		0.00097
(cis) 1,2-Dichloroethene	ND		0.00097
2-Butanone	ND		0.0049
Bromochloromethane	ND		0.00097
Chloroform	ND		0.00097
1,1,1-Trichloroethane	ND		0.00097
Carbon Tetrachloride	ND		0.00097
1,1-Dichloropropene	ND		0.00097
Benzene	ND		0.00097
1,2-Dichloroethane	ND		0.00097
Trichloroethene	ND		0.00097
1,2-Dichloropropane	ND		0.00097
Dibromomethane	ND		0.00097
Bromodichloromethane	ND		0.00097
2-Chloroethyl Vinyl Ether	ND		0.0049
(cis) 1,3-Dichloropropene	ND		0.00097
Methyl Isobutyl Ketone	ND		0.0049
Toluene	ND		0.0049
(trans) 1,3-Dichloropropene	ND		0.00097

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Lab ID: 08-051-10
Client ID: KM-13-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.00097
Tetrachloroethene	ND		0.00097
1,3-Dichloropropane	ND		0.00097
2-Hexanone	ND		0.0049
Dibromochloromethane	ND		0.00097
1,2-Dibromoethane	ND		0.00097
Chlorobenzene	ND		0.00097
1,1,1,2-Tetrachloroethane	ND		0.00097
Ethylbenzene	ND		0.00097
m,p-Xylene	ND		0.0019
o-Xylene	ND		0.00097
Styrene	ND		0.00097
Bromoform	ND		0.00097
Isopropylbenzene	ND		0.00097
Bromobenzene	ND		0.00097
1,1,2,2-Tetrachloroethane	ND		0.00097
1,2,3-Trichloropropane	ND		0.00097
n-Propylbenzene	ND		0.00097
2-Chlorotoluene	ND		0.00097
4-Chlorotoluene	ND		0.00097
1,3,5-Trimethylbenzene	ND		0.00097
tert-Butylbenzene	ND		0.00097
1,2,4-Trimethylbenzene	ND		0.00097
sec-Butylbenzene	ND		0.00097
1,3-Dichlorobenzene	ND		0.00097
p-Isopropyltoluene	ND		0.00097
1,4-Dichlorobenzene	ND		0.00097
1,2-Dichlorobenzene	ND		0.00097
n-Butylbenzene	ND		0.00097
1,2-Dibromo-3-chloropropane	ND		0.0049
1,2,4-Trichlorobenzene	ND		0.00097
Hexachlorobutadiene	ND		0.0049
Naphthalene	ND		0.00097
1,2,3-Trichlorobenzene	ND		0.00097

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	55-125
Toluene-d8	85	56-127
4-Bromofluorobenzene	111	54-130

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Date Extracted:	8-7-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-11
Client ID:	**KM-10-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		1.2
Chloromethane	ND		5.8
Vinyl Chloride	ND		1.2
Bromomethane	ND		1.2
Chloroethane	ND		5.8
Trichlorofluoromethane	ND		1.2
1,1-Dichloroethene	ND		1.2
Acetone	ND		5.8
Iodomethane	ND		5.8
Carbon Disulfide	ND		1.2
Methylene Chloride	ND		5.8
(trans) 1,2-Dichloroethene	ND		1.2
Methyl t-Butyl Ether	ND		1.2
1,1-Dichloroethane	ND		1.2
Vinyl Acetate	ND		5.8
2,2-Dichloropropane	ND		1.2
(cis) 1,2-Dichloroethene	ND		1.2
2-Butanone	ND		5.8
Bromochloromethane	ND		1.2
Chloroform	ND		1.2
1,1,1-Trichloroethane	ND		1.2
Carbon Tetrachloride	ND		1.2
1,1-Dichloropropene	ND		1.2
Benzene	ND		1.2
1,2-Dichloroethane	ND		1.2
Trichloroethene	ND		1.2
1,2-Dichloropropane	ND		1.2
Dibromomethane	ND		1.2
Bromodichloromethane	ND		1.2
2-Chloroethyl Vinyl Ether	ND		5.8
(cis) 1,3-Dichloropropene	ND		1.2
Methyl Isobutyl Ketone	ND		5.8
Toluene	37		5.8
(trans) 1,3-Dichloropropene	ND		1.2

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Lab ID: 08-051-11
Client ID: KM-10-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		1.2
Tetrachloroethene	ND		1.2
1,3-Dichloropropane	ND		1.2
2-Hexanone	ND		5.8
Dibromochloromethane	ND		1.2
1,2-Dibromoethane	ND		1.2
Chlorobenzene	ND		1.2
1,1,1,2-Tetrachloroethane	ND		1.2
Ethylbenzene	440		12
m,p-Xylene	2400		23
o-Xylene	660		12
Styrene	ND		1.2
Bromoform	ND		1.2
Isopropylbenzene	13		1.2
Bromobenzene	ND		1.2
1,1,2,2-Tetrachloroethane	ND		1.2
1,2,3-Trichloropropane	ND		1.2
n-Propylbenzene	17		1.2
2-Chlorotoluene	ND		1.2
4-Chlorotoluene	ND		1.2
1,3,5-Trimethylbenzene	39		1.2
tert-Butylbenzene	ND		1.2
1,2,4-Trimethylbenzene	120		1.2
sec-Butylbenzene	7.3		1.2
1,3-Dichlorobenzene	ND		1.2
p-Isopropyltoluene	9.7		1.2
1,4-Dichlorobenzene	ND		1.2
1,2-Dichlorobenzene	ND		1.2
n-Butylbenzene	13		1.2
1,2-Dibromo-3-chloropropane	ND		5.8
1,2,4-Trichlorobenzene	ND		1.2
Hexachlorobutadiene	ND		5.8
Naphthalene	150		1.2
1,2,3-Trichlorobenzene	ND		1.2

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	55-125
Toluene-d8	85	56-127
4-Bromofluorobenzene	118	54-130

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Laboratory Reference: 0908-051
Project: 14697

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Date Extracted:	8-7-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-12
Client ID:	**KM-10-0809-5.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.31
Chloromethane	ND		1.6
Vinyl Chloride	ND		0.31
Bromomethane	ND		0.31
Chloroethane	ND		1.6
Trichlorofluoromethane	ND		0.31
1,1-Dichloroethene	ND		0.31
Acetone	ND		1.6
Iodomethane	ND		1.6
Carbon Disulfide	ND		0.31
Methylene Chloride	ND		1.6
(trans) 1,2-Dichloroethene	ND		0.31
Methyl t-Butyl Ether	ND		0.31
1,1-Dichloroethane	ND		0.31
Vinyl Acetate	ND		1.6
2,2-Dichloropropane	ND		0.31
(cis) 1,2-Dichloroethene	ND		0.31
2-Butanone	ND		1.6
Bromochloromethane	ND		0.31
Chloroform	ND		0.31
1,1,1-Trichloroethane	ND		0.31
Carbon Tetrachloride	ND		0.31
1,1-Dichloropropene	ND		0.31
Benzene	ND		0.31
1,2-Dichloroethane	ND		0.31
Trichloroethene	ND		0.31
1,2-Dichloropropane	ND		0.31
Dibromomethane	ND		0.31
Bromodichloromethane	ND		0.31
2-Chloroethyl Vinyl Ether	ND		1.6
(cis) 1,3-Dichloropropene	ND		0.31
Methyl Isobutyl Ketone	ND		1.6
Toluene	ND		1.6
(trans) 1,3-Dichloropropene	ND		0.31

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
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Lab ID: 08-051-12
Client ID: KM-10-0809-5.5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.31
Tetrachloroethene	ND		0.31
1,3-Dichloropropane	ND		0.31
2-Hexanone	ND		1.6
Dibromochloromethane	ND		0.31
1,2-Dibromoethane	ND		0.31
Chlorobenzene	ND		0.31
1,1,1,2-Tetrachloroethane	ND		0.31
Ethylbenzene	2.6		0.31
m,p-Xylene	11		0.63
o-Xylene	2.7		0.31
Styrene	ND		0.31
Bromoform	ND		0.31
Isopropylbenzene	2.7		0.31
Bromobenzene	ND		0.31
1,1,2,2-Tetrachloroethane	ND		0.31
1,2,3-Trichloropropane	ND		0.31
n-Propylbenzene	3.6		0.31
2-Chlorotoluene	ND		0.31
4-Chlorotoluene	ND		0.31
1,3,5-Trimethylbenzene	ND		0.31
tert-Butylbenzene	ND		0.31
1,2,4-Trimethylbenzene	0.50		0.31
sec-Butylbenzene	1.1		0.31
1,3-Dichlorobenzene	ND		0.31
p-Isopropyltoluene	ND		0.31
1,4-Dichlorobenzene	ND		0.31
1,2-Dichlorobenzene	ND		0.31
n-Butylbenzene	1.8		0.31
1,2-Dibromo-3-chloropropane	ND		1.6
1,2,4-Trichlorobenzene	ND		0.31
Hexachlorobutadiene	ND		1.6
Naphthalene	1.9		0.31
1,2,3-Trichlorobenzene	ND		0.31

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	69	55-125
Toluene-d8	81	56-127
4-Bromofluorobenzene	114	54-130

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Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-14
Client ID:	**KM-11-0809-2.5**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0018
Chloromethane	ND		0.0091
Vinyl Chloride	ND		0.0018
Bromomethane	ND		0.0018
Chloroethane	ND		0.0091
Trichlorofluoromethane	0.0042		0.0018
1,1-Dichloroethene	ND		0.0018
Acetone	0.35		0.0091
Iodomethane	ND		0.0091
Carbon Disulfide	ND		0.0018
Methylene Chloride	ND		0.0091
(trans) 1,2-Dichloroethene	ND		0.0018
Methyl t-Butyl Ether	ND		0.0018
1,1-Dichloroethane	0.020		0.0018
Vinyl Acetate	ND		0.0091
2,2-Dichloropropane	ND		0.0018
(cis) 1,2-Dichloroethene	ND		0.0018
2-Butanone	ND		0.0091
Bromochloromethane	ND		0.0018
Chloroform	ND		0.0018
1,1,1-Trichloroethane	ND		0.0018
Carbon Tetrachloride	ND		0.0018
1,1-Dichloropropene	ND		0.0018
Benzene	0.0064		0.0018
1,2-Dichloroethane	ND		0.0018
Trichloroethene	ND		0.0018
1,2-Dichloropropane	ND		0.0018
Dibromomethane	ND		0.0018
Bromodichloromethane	ND		0.0018
2-Chloroethyl Vinyl Ether	ND		0.0091
(cis) 1,3-Dichloropropene	ND		0.0018
Methyl Isobutyl Ketone	ND		0.0091
Toluene	ND		0.0091
(trans) 1,3-Dichloropropene	ND J		0.0018

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
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Lab ID: 08-051-14
Client ID: KM-11-0809-2.5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0018
Tetrachloroethene	ND		0.0018
1,3-Dichloropropane	ND		0.0018
2-Hexanone	ND		0.0091
Dibromochloromethane	ND		0.0018
1,2-Dibromoethane	ND		0.0018
Chlorobenzene	ND		0.0018
1,1,1,2-Tetrachloroethane	ND		0.0018
Ethylbenzene	0.0032		0.0018
m,p-Xylene	0.021		0.0037
o-Xylene	0.0056		0.0018
Styrene	ND		0.0018
Bromoform	ND		0.0018
Isopropylbenzene	ND		0.0018
Bromobenzene	ND		0.0018
1,1,2,2-Tetrachloroethane	ND		0.0018
1,2,3-Trichloropropane	ND		0.0018
n-Propylbenzene	ND		0.0018
2-Chlorotoluene	ND		0.0018
4-Chlorotoluene	ND		0.0018
1,3,5-Trimethylbenzene	ND		0.0018
tert-Butylbenzene	0.0072		0.0018
1,2,4-Trimethylbenzene	0.0088		0.0018
sec-Butylbenzene	0.0079		0.0018
1,3-Dichlorobenzene	ND		0.0018
p-Isopropyltoluene	0.0060		0.0018
1,4-Dichlorobenzene	ND		0.0018
1,2-Dichlorobenzene	ND		0.0018
n-Butylbenzene	ND		0.0018
1,2-Dibromo-3-chloropropane	ND		0.0091
1,2,4-Trichlorobenzene	ND		0.0018
Hexachlorobutadiene	ND		0.0091
Naphthalene	ND		0.0018
1,2,3-Trichlorobenzene	ND		0.0018

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	86	55-125
Toluene-d8	73	56-127
4-Bromofluorobenzene	91	54-130

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METHOD BLANK QUALITY CONTROL
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Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0807S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0807S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	78	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	111	54-130

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Project: 14697

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Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0810S2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB0810S2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	78	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	118	54-130

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
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VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0807S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0386	77	0.0384	77	70-130	
Benzene	0.0500	0.0360	72	0.0355	71	70-128	
Trichloroethene	0.0500	0.0395	79	0.0403	81	70-124	
Toluene	0.0500	0.0403	81	0.0387	77	73-123	
Chlorobenzene	0.0500	0.0517	103	0.0511	102	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	0	16	
Benzene	1	15	
Trichloroethene	2	14	
Toluene	4	14	
Chlorobenzene	1	13	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0810S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0393	79	0.0393	79	70-130	
Benzene	0.0500	0.0355	71	0.0353	71	70-128	
Trichloroethene	0.0500	0.0372	74	0.0391	78	70-124	
Toluene	0.0500	0.0373	75	0.0382	76	73-123	
Chlorobenzene	0.0500	0.0489	98	0.0497	99	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	0	16	
Benzene	1	15	
Trichloroethene	5	14	
Toluene	2	14	
Chlorobenzene	2	13	

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
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Date Extracted:	8-7-09
Date Analyzed:	8-7-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-051-07
Client ID:	**KM-16-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.40
Chloromethane	ND		2.0
Vinyl Chloride	3.8		0.40
Bromomethane	ND		0.40
Chloroethane	ND		2.0
Trichlorofluoromethane	ND		0.40
1,1-Dichloroethene	ND		0.40
Acetone	ND		10
Iodomethane	ND		2.0
Carbon Disulfide	ND		0.40
Methylene Chloride	ND		2.0
(trans) 1,2-dichloroethene	ND		0.40
Methyl t-Butyl Ether	ND		0.40
1,1-Dichloroethane	0.59		0.40
Vinyl Acetate	ND		4.0
2,2-Dichloropropane	ND		0.40
(cis) 1,2-Dichloroethene	8.9		0.40
2-Butanone	ND		10
Bromochloromethane	ND		0.40
Chloroform	ND		0.40
1,1,1-Trichloroethane	ND		0.40
Carbon Tetrachloride	ND		0.40
1,1-Dichloropropene	ND		0.40
Benzene	ND		0.40
1,2-Dichloroethane	ND		0.40
Trichloroethene	0.60		0.40
1,2-Dichloropropane	ND		0.40
Dibromomethane	ND		0.40
Bromodichloromethane	ND		0.40
2-Chloroethyl Vinyl Ether	ND		2.0
(cis) 1,3-Dichloropropene	ND		0.40
Methyl Isobutyl Ketone	ND		4.0
Toluene	12		2.0
(trans) 1,3-Dichloropropene	ND		0.40

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
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Lab ID: 08-051-07
Client ID: KM-16-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.40
Tetrachloroethene	ND		0.40
1,3-Dichloropropane	ND		0.40
2-Hexanone	ND		4.0
Dibromochloromethane	ND		0.40
1,2-Dibromoethane	ND		0.40
Chlorobenzene	ND		0.40
1,1,1,2-Tetrachloroethane	ND		0.40
Ethylbenzene	93		0.40
m,p-Xylene	47		0.80
o-Xylene	5.6		0.40
Styrene	ND		0.40
Bromoform	ND		2.0
Isopropylbenzene	21		0.40
Bromobenzene	ND		0.40
1,1,2,2-Tetrachloroethane	ND		0.40
1,2,3-Trichloropropane	ND		0.40
n-Propylbenzene	28		0.40
2-Chlorotoluene	ND		0.40
4-Chlorotoluene	ND		0.40
1,3,5-Trimethylbenzene	7.8		0.40
tert-Butylbenzene	1.3		0.40
1,2,4-Trimethylbenzene	33		0.40
sec-Butylbenzene	11		0.40
1,3-Dichlorobenzene	ND		0.40
p-Isopropyltoluene	3.0		0.40
1,4-Dichlorobenzene	ND		0.40
1,2-Dichlorobenzene	ND		0.40
n-Butylbenzene	ND		0.40
1,2-Dibromo-3-chloropropane	ND		2.0
1,2,4-Trichlorobenzene	ND		0.40
Hexachlorobutadiene	ND		0.40
Naphthalene	3.7		2.0
1,2,3-Trichlorobenzene	ND		0.40

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	71-126
Toluene-d8	85	76-116
4-Bromofluorobenzene	88	70-123

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0807W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0807W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	86	76-116
4-Bromofluorobenzene	95	70-123

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-7-09
Date Analyzed: 8-7-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0807W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	8.49	85	8.47	85	70-130	
Benzene	10.0	9.15	92	9.12	91	70-130	
Trichloroethene	10.0	9.43	94	9.26	93	70-123	
Toluene	10.0	9.57	96	9.63	96	77-120	
Chlorobenzene	10.0	10.5	105	10.9	109	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	0	21	
Benzene	0	18	
Trichloroethene	2	18	
Toluene	1	17	
Chlorobenzene	4	18	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-051-09
Client ID:	**KM-14-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

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Lab ID: 08-051-09
Client ID: KM-14-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	0.52		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	82	71-126
Toluene-d8	84	76-116
4-Bromofluorobenzene	93	70-123

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Project: 14697

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Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-051-13
Client ID: KM-10-0809-W

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
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Project: 14697

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Lab ID: 08-051-13
Client ID: KM-10-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	1.2		0.20
m,p-Xylene	5.9		0.40
o-Xylene	1.7		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.25		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	1.1		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	71-126
Toluene-d8	85	76-116
4-Bromofluorobenzene	91	70-123

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0810W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0810W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	92	70-123

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0810W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	8.72	87	8.17	82	70-130	
Benzene	10.0	9.38	94	8.88	89	70-130	
Trichloroethene	10.0	9.65	97	9.29	93	70-123	
Toluene	10.0	9.88	99	9.75	98	77-120	
Chlorobenzene	10.0	10.6	106	10.6	106	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	7	21	
Benzene	5	18	
Trichloroethene	4	18	
Toluene	1	17	
Chlorobenzene	0	18	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-4**					
Laboratory ID:	08-051-01					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Naphthalene	**0.070**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**0.036**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
1-Methylnaphthalene	**0.023**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-4**					
Laboratory ID:	08-051-01					
2,4-Dinitrophenol	**ND**	0.91	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**0.19**	0.18	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Fluorene	**0.073**	0.0072	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.91	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	0.91	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**0.89**	0.18	EPA 8270	8-12-09	8-13-09	
Anthracene	**0.20**	0.18	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**2.0**	0.18	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
Pyrene	**1.9**	0.18	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**2.6**	0.18	EPA 8270	8-12-09	8-13-09	
Chrysene	**4.0**	0.18	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**8.3**	0.18	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**3.6**	0.18	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**3.5**	0.18	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**4.6**	0.18	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**2.1**	0.18	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**5.2**	0.18	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*50*	*19 - 97*				
Phenol-d6	*68*	*22 - 108*				
Nitrobenzene-d5	*69*	*21 - 106*				
2-Fluorobiphenyl	*82*	*29 - 107*				
2,4,6-Tribromophenol	*72*	*44 - 121*				
Terphenyl-d14	*89*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-0809-4**					
Laboratory ID:	08-051-03					
N-Nitrosodimethylamine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Naphthalene	**0.086**	0.040	EPA 8270	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**0.11**	0.040	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**0.086**	0.040	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**0.062**	0.040	EPA 8270	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-15-0809-4**					
Laboratory ID:	08-051-03					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**0.0099**	0.0080	EPA 8270/SIM	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**0.044**	0.040	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Fluorene	**0.013**	0.0080	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	0.20	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**0.20**	0.040	EPA 8270	8-12-09	8-13-09	
Anthracene	**0.084**	0.040	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**0.30**	0.040	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	0.40	EPA 8270	8-12-09	8-13-09	
Pyrene	**0.29**	0.040	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	0.40	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**0.19**	0.040	EPA 8270	8-12-09	8-13-09	
Chrysene	**0.27**	0.040	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**0.052**	0.040	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.040	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**0.34**	0.040	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**0.20**	0.040	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**0.24**	0.040	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**0.24**	0.040	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**0.081**	0.040	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**0.30**	0.040	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*53*	*19 - 97*				
Phenol-d6	*70*	*22 - 108*				
Nitrobenzene-d5	*72*	*21 - 106*				
2-Fluorobiphenyl	*79*	*29 - 107*				
2,4,6-Tribromophenol	*72*	*44 - 121*				
Terphenyl-d14	*83*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-2**					
Laboratory ID:	08-051-05					
N-Nitrosodimethylamine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Naphthalene	**0.025**	0.0075	EPA 8270/SIM	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**0.042**	0.037	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**0.040**	0.037	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**0.017**	0.0075	EPA 8270/SIM	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-2**					
Laboratory ID:	08-051-05					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**0.048**	0.037	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Fluorene	**0.023**	0.0075	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	0.19	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**0.16**	0.037	EPA 8270	8-12-09	8-13-09	
Anthracene	**0.043**	0.037	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**0.21**	0.037	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	0.37	EPA 8270	8-12-09	8-13-09	
Pyrene	**0.24**	0.037	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	0.37	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**0.12**	0.037	EPA 8270	8-12-09	8-13-09	
Chrysene	**0.16**	0.037	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**0.042**	0.037	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.037	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**0.14**	0.037	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**0.11**	0.037	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**0.15**	0.037	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**0.11**	0.037	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**0.040**	0.037	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**0.14**	0.037	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*54*	*19 - 97*				
Phenol-d6	*64*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*67*	*29 - 107*				
2,4,6-Tribromophenol	*70*	*44 - 121*				
Terphenyl-d14	*71*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-13-0809-2**					
Laboratory ID:	08-051-10					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-13-0809-2**					
Laboratory ID:	08-051-10					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Carbazole	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Benzidine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Pyrene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Chrysene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*63*	*19 - 97*				
Phenol-d6	*67*	*22 - 108*				
Nitrobenzene-d5	*72*	*21 - 106*				
2-Fluorobiphenyl	*65*	*29 - 107*				
2,4,6-Tribromophenol	*69*	*44 - 121*				
Terphenyl-d14	*72*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-2**					
Laboratory ID:	08-051-11					
N-Nitrosodimethylamine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**1.6**	0.34	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Naphthalene	**71**	1.7	EPA 8270	8-12-09	8-14-09	
4-Chloroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**18**	0.34	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**12**	0.34	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**0.42**	0.34	EPA 8270	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-2**					
Laboratory ID:	08-051-11					
2,4-Dinitrophenol	**ND**	1.7	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**3.5**	0.34	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**1.4**	0.34	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Fluorene	**3.0**	0.34	EPA 8270	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	1.7	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	1.7	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**8.9**	0.34	EPA 8270	8-12-09	8-13-09	
Anthracene	**1.4**	0.34	EPA 8270	8-12-09	8-13-09	
Carbazole	**0.85**	0.34	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**7.7**	0.34	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	3.4	EPA 8270	8-12-09	8-13-09	
Pyrene	**7.4**	0.34	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	3.4	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**2.4**	0.34	EPA 8270	8-12-09	8-13-09	
Chrysene	**3.2**	0.34	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.34	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**2.5**	0.34	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**2.0**	0.34	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**1.9**	0.34	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**1.3**	0.34	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**0.50**	0.34	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**1.7**	0.34	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*33*	*19 - 97*				
Phenol-d6	*86*	*22 - 108*				
Nitrobenzene-d5	*120*	*21 - 106*				Q
2-Fluorobiphenyl	*90*	*29 - 107*				
2,4,6-Tribromophenol	*90*	*44 - 121*				
Terphenyl-d14	*93*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-5.5**					
Laboratory ID:	08-051-12					
N-Nitrosodimethylamine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Naphthalene	**1.1**	0.35	EPA 8270	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**16**	0.35	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**12**	0.35	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-5.5**					
Laboratory ID:	08-051-12					
2,4-Dinitrophenol	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**4.7**	0.35	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**1.5**	0.35	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Fluorene	**3.6**	0.35	EPA 8270	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	1.8	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**9.1**	0.35	EPA 8270	8-12-09	8-13-09	
Anthracene	**1.6**	0.35	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**5.3**	0.35	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	3.5	EPA 8270	8-12-09	8-13-09	
Pyrene	**4.7**	0.35	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	3.5	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**1.4**	0.35	EPA 8270	8-12-09	8-13-09	
Chrysene	**2.0**	0.35	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**1.4**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**1.1**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**1.3**	0.35	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**0.72**	0.35	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**ND**	0.35	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**0.95**	0.35	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*65*	*19 - 97*				
Phenol-d6	*105*	*22 - 108*				
Nitrobenzene-d5	*81*	*21 - 106*				
2-Fluorobiphenyl	*94*	*29 - 107*				
2,4,6-Tribromophenol	*89*	*44 - 121*				
Terphenyl-d14	*99*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-11-0809-2.5**					
Laboratory ID:	08-051-14					
N-Nitrosodimethylamine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Pyridine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Phenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Aniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Chlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Benzyl alcohol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Hexachloroethane	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Nitrobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Isophorone	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Nitrophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Naphthalene	**1.0**	0.21	EPA 8270	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Hexachlorobutadiene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Methylnaphthalene	**3.3**	0.21	EPA 8270	8-12-09	8-13-09	
1-Methylnaphthalene	**4.1**	0.21	EPA 8270	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Chloronaphthalene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2-Nitroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Dimethylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Acenaphthylene	**0.28**	0.21	EPA 8270	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-11-0809-2.5**					
Laboratory ID:	08-051-14					
2,4-Dinitrophenol	**ND**	1.1	EPA 8270	8-12-09	8-13-09	
Acenaphthene	**1.5**	0.21	EPA 8270	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Dibenzofuran	**0.38**	0.21	EPA 8270	8-12-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Diethylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
4-Nitroaniline	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Fluorene	**1.0**	0.21	EPA 8270	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	1.1	EPA 8270	8-12-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Hexachlorobenzene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Pentachlorophenol	**ND**	1.1	EPA 8270	8-12-09	8-13-09	
Phenanthrene	**3.5**	0.21	EPA 8270	8-12-09	8-13-09	
Anthracene	**0.68**	0.21	EPA 8270	8-12-09	8-13-09	
Carbazole	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Di-n-butylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Fluoranthene	**1.4**	0.21	EPA 8270	8-12-09	8-13-09	
Benzidine	**ND**	2.1	EPA 8270	8-12-09	8-13-09	
Pyrene	**1.8**	0.21	EPA 8270	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	2.1	EPA 8270	8-12-09	8-13-09	
Benzo[a]anthracene	**0.50**	0.21	EPA 8270	8-12-09	8-13-09	
Chrysene	**0.50**	0.21	EPA 8270	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Di-n-octylphthalate	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Benzo[b]fluoranthene	**0.27**	0.21	EPA 8270	8-12-09	8-13-09	
Benzo[k]fluoranthene	**0.36**	0.21	EPA 8270	8-12-09	8-13-09	
Benzo[a]pyrene	**0.54**	0.21	EPA 8270	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**0.29**	0.21	EPA 8270	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**ND**	0.21	EPA 8270	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**0.41**	0.21	EPA 8270	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*19 - 97*				
Phenol-d6	*80*	*22 - 108*				
Nitrobenzene-d5	*72*	*21 - 106*				
2-Fluorobiphenyl	*92*	*29 - 107*				
2,4,6-Tribromophenol	*94*	*44 - 121*				
Terphenyl-d14	*100*	*37 - 120*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0812S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Pyridine	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Phenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Aniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Isophorone	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	

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Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0812S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-12-09	8-12-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-12-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
1,2-Diphenylhydrazine	**0.35**	0.033	EPA 8270	8-12-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-12-09	8-12-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Carbazole	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Benzidine	**ND**	0.33	EPA 8270	8-12-09	8-12-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-12-09	8-12-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-12-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*63*	*19 - 97*				
Phenol-d6	*68*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*72*	*29 - 107*				
2,4,6-Tribromophenol	*79*	*44 - 121*				
Terphenyl-d14	*82*	*37 - 120*				

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Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0812S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.764**	**0.974**	1.33	1.33	57	73	27 - 100	24	37	
2-Chlorophenol	**0.775**	**0.972**	1.33	1.33	58	73	23 - 104	23	43	
1,4-Dichlorobenzene	**0.355**	**0.440**	0.667	0.667	53	66	23 - 86	21	40	
N-Nitroso-di-n-propylamine	**0.362**	**0.474**	0.667	0.667	54	71	28 - 96	27	37	
1,2,4-Trichlorobenzene	**0.367**	**0.470**	0.667	0.667	55	70	25 - 90	25	40	
4-Chloro-3-methylphenol	**0.862**	**1.08**	1.33	1.33	65	81	44 - 106	22	31	
Acenaphthene	**0.431**	**0.533**	0.667	0.667	65	80	39 - 93	21	28	
4-Nitrophenol	**1.17**	**1.35**	1.33	1.33	88	102	30 - 124	14	31	
2,4-Dinitrotoluene	**0.547**	**0.621**	0.667	0.667	82	93	53 - 109	13	34	
Pentachlorophenol	**1.10**	**1.25**	1.33	1.33	83	94	47 - 122	13	33	
Pyrene	**0.519**	**0.594**	0.667	0.667	78	89	55 - 108	13	29	
Surrogate:										
2-Fluorophenol					*51*	*63*	*19 - 97*			
Phenol-d6					*52*	*67*	*22 - 108*			
Nitrobenzene-d5					*57*	*71*	*21 - 106*			
2-Fluorobiphenyl					*58*	*74*	*29 - 107*			
2,4,6-Tribromophenol					*77*	*85*	*44 - 121*			
Terphenyl-d14					*75*	*83*	*37 - 120*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-W**					
Laboratory ID:	08-051-07					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Naphthalene	**1.4**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**0.12**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-W**					
Laboratory ID:	08-051-07					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.2	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.2	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*37*	*12 - 91*				
Phenol-d6	*32*	*10 - 102*				
Nitrobenzene-d5	*62*	*27 - 115*				
2-Fluorobiphenyl	*64*	*37 - 111*				
2,4,6-Tribromophenol	*74*	*48 - 121*				
Terphenyl-d14	*79*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-W**					
Laboratory ID:	08-051-09					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Naphthalene	**0.13**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-W**					
Laboratory ID:	08-051-09					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.1	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.1	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*12 - 91*				
Phenol-d6	*31*	*10 - 102*				
Nitrobenzene-d5	*57*	*27 - 115*				
2-Fluorobiphenyl	*58*	*37 - 111*				
2,4,6-Tribromophenol	*78*	*48 - 121*				
Terphenyl-d14	*80*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-W**					
Laboratory ID:	08-051-13					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Naphthalene	**0.37**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**0.12**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-10-0809-W**					
Laboratory ID:	08-051-13					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**0.13**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**1.4**	1.0	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*32*	*12 - 91*				
Phenol-d6	*28*	*10 - 102*				
Nitrobenzene-d5	*43*	*27 - 115*				
2-Fluorobiphenyl	*52*	*37 - 111*				
2,4,6-Tribromophenol	*65*	*48 - 121*				
Terphenyl-d14	*70*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*32*	*12 - 91*				
Phenol-d6	*29*	*10 - 102*				
Nitrobenzene-d5	*77*	*27 - 115*				
2-Fluorobiphenyl	*69*	*37 - 111*				
2,4,6-Tribromophenol	*56*	*48 - 121*				
Terphenyl-d14	*83*	*47 - 116*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0811W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.5**	**14.0**	40.0	40.0	39	35	17 - 69	10	34	
2-Chlorophenol	**27.7**	**24.2**	40.0	40.0	69	61	36 - 104	13	36	
1,4-Dichlorobenzene	**12.8**	**10.8**	20.0	20.0	64	54	29 - 90	17	34	
N-Nitroso-di-n-propylamine	**12.3**	**11.3**	20.0	20.0	62	57	34 - 101	8	38	
1,2,4-Trichlorobenzene	**13.2**	**11.9**	20.0	20.0	66	60	30 - 97	10	42	
4-Chloro-3-methylphenol	**30.0**	**29.8**	40.0	40.0	75	75	56 - 106	1	26	
Acenaphthene	**14.5**	**14.2**	20.0	20.0	73	71	46 - 94	2	34	
4-Nitrophenol	**21.1**	**22.8**	40.0	40.0	53	57	17 - 100	8	38	
2,4-Dinitrotoluene	**17.5**	**18.6**	20.0	20.0	88	93	50 - 121	6	18	
Pentachlorophenol	**36.5**	**38.2**	40.0	40.0	91	96	37 - 132	5	32	
Pyrene	**16.9**	**17.8**	20.0	20.0	85	89	65 - 108	5	18	
Surrogate:										
2-Fluorophenol					*47*	*40*	*12 - 91*			
Phenol-d6					*34*	*31*	*10 - 102*			
Nitrobenzene-d5					*69*	*63*	*27 - 115*			
2-Fluorobiphenyl					*68*	*65*	*37 - 111*			
2,4,6-Tribromophenol					*81*	*83*	*48 - 121*			
Terphenyl-d14					*82*	*85*	*47 - 116*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-4**					
Laboratory ID:	08-051-01					
Aroclor 1016	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*87*	*33-122*				
Client ID:	**KM-15-0809-4**					
Laboratory ID:	08-051-03					
Aroclor 1016	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.060	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*33-122*				
Client ID:	**KM-14-0809-2**					
Laboratory ID:	08-051-05					
Aroclor 1016	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.056	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**0.057**	0.056	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-13-0809-2**					
Laboratory ID:	08-051-10					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*91*	*33-122*				
Client ID:	**KM-10-0809-2**					
Laboratory ID:	08-051-11					
Aroclor 1016	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.052	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**0.14**	0.052	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*33-122*				
Client ID:	**KM-10-0809-5.5**					
Laboratory ID:	08-051-12					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*63*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-11-0809-2.5**					
Laboratory ID:	08-051-14					
Aroclor 1016	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.063	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*70*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0814S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-054-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.398**	**0.416**	0.500	0.500	ND	**80**	**83**	24-125	4	18	
Surrogate:											
DCB						*81*	*85*	*33-122*			

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-W**					
Laboratory ID:	08-051-07					
Aroclor 1016	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.051	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*39-128*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0807W1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-7-09	8-11-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*39-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0807W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.374**	**0.369**	0.500	0.500	N/A	**75**	**74**	58-113	1	11	
Surrogate:											
DCB						*79*	*77*	*39-128*			

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-14-0809-W**					
Laboratory ID:	08-051-09					
Aroclor 1016	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*39-128*				
Client ID:	**KM-10-0809-W**					
Laboratory ID:	08-051-13					
Aroclor 1016	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*39-128*				

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0812W1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*39-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0812W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.490**	**0.448**	0.500	0.500	N/A	**98**	**90**	58-113	9	11	
Surrogate:											
DCB						*103*	*96*	*39-128*			

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-01
Client ID: **KM-16-0809-4**

Analyte	Method	Result	PQL
Arsenic	6010B	**14**	11
Barium	6010B	**400**	27
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**44**	0.54
Lead	6010B	**14**	5.4
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-03
Client ID: **KM-15-0809-4**

Analyte	Method	Result	PQL
Arsenic	6010B	**15**	12
Barium	6010B	**390**	30
Cadmium	6010B	**ND**	0.60
Chromium	6010B	**26**	0.60
Lead	6010B	**410**	6.0
Mercury	7471A	**0.83**	0.30
Selenium	6010B	**ND**	12
Silver	6010B	**ND**	0.60

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-05
Client ID: **KM-14-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**92**	2.8
Cadmium	6010B	**ND**	0.56
Chromium	6010B	**21**	0.56
Lead	6010B	**66**	5.6
Mercury	7471A	**ND**	0.28
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.56

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-10
Client ID: **KM-13-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**35**	2.6
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**23**	0.53
Lead	6010B	**ND**	5.3
Mercury	7471A	**ND**	0.26
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-11
Client ID: **KM-10-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**110**	2.6
Cadmium	6010B	**1.8**	0.52
Chromium	6010B	**110**	0.52
Lead	6010B	**700**	5.2
Mercury	7471A	**ND**	0.26
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.52

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-12
Client ID: **KM-10-0809-5.5**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**26**	2.7
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**7.4**	0.53
Lead	6010B	**17**	5.3
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11,18&19-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-051-14
Client ID: **KM-11-0809-2.5**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	13
Barium	6010B	**380**	32
Cadmium	6010B	**ND**	0.63
Chromium	6010B	**9.4**	0.63
Lead	6010B	**44**	6.3
Mercury	7471A	**ND**	0.32
Selenium	6010B	**ND**	13
Silver	6010B	**ND**	0.63

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Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-11&17-09
Date Analyzed:	8-11&18-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0811S2&MB0817S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**19.0**	**19.1**	0	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**4.74**	**5.40**	13	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.6**	95	**91.9**	92	3	
Barium	100	**114**	95	**113**	94	1	
Cadmium	50	**47.8**	96	**46.7**	93	2	
Chromium	100	**101**	96	**99.0**	94	2	
Lead	250	**244**	98	**239**	95	2	
Mercury	0.50	**0.466**	93	**0.448**	90	4	
Selenium	100	**94.7**	95	**88.8**	89	6	
Silver	25	**23.2**	93	**21.9**	88	6	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-051-07
Client ID: KM-16-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-051-09
Client ID: KM-14-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-051-13
Client ID: KM-10-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**1.4**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10&13-09
Date Analyzed:	8-10&13-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0810W1&MB0813W1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Barium	**ND**	**ND**	NA	28	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Selenium	**ND**	**ND**	NA	5.6	
Silver	**ND**	**ND**	NA	11	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	101	**114**	104	3	
Barium	110	**116**	105	**121**	110	5	
Cadmium	110	**113**	103	**116**	105	2	
Chromium	110	**107**	97	**109**	99	2	
Lead	110	**109**	99	**116**	105	6	
Mercury	12.5	**10.8**	86	**10.5**	84	3	
Selenium	110	**112**	102	**116**	105	3	
Silver	110	**107**	97	**116**	106	8	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 18, 2009
Samples Submitted: August 7, 2009
Lab Traveler: 0908-051
Project: 14697

% MOISTURE

Date Analyzed: 8-7-09

Client ID	Lab ID	% Moisture
KM-16-0809-4	08-051-01	8
KM-15-0809-4	08-051-03	17
KM-14-0809-2	08-051-05	11
KM-14-0809-7	08-051-06	18
KM-13-0809-2	08-051-10	5
KM-10-0809-2	08-051-11	3
KM-10-0809-5.5	08-051-12	6
KM-11-0809-2.5	08-051-14	21

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to mineral spirits.

Z2 - The chromatogram is similar to gas with mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix

Project Number: 14697

Project Name: Kelly Moore Phase II

Project Managers: Tasya Gray

Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)
(TPH analysis 5 working days)

☐ _____ (other)

Laboratory Number: 08-051

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664						HOLD	% Moisture
1	KM-16-0809-4	8/6/09	715	S	6		X	X	X		X		X			X									X
2	KM-16-0809-8		720	S	6		X	X	X		X		X			X								X	
3	KM-15-0809-4		855	S	6		X	X	X		X		X			X									X
4	KM-15-0809-6.5		905	S	6		X	X	X		X		X			X								X	
5	KM-14-0809-2		1045	S	6		X	X	X		X		X			X									X
6	KM-14-0809-7		1050	S	6													HOLD.						⊗	X
7	KM-16-0809-W		0800	W	12		X	X	X		X		X			X									
8	KM-15-0809-W		0950	W	12		X	X	X		X		X			X								X	
9	KM-14-0809-W		1130	W	12		⊗	⊗	⊗		⊗		⊗			⊗								X	
10	KM-13-0809-2	↓	1215	S	6		X	X	X		X		X			X									X

	Signature	Company	Date	Time
Relinquished by		Amec GMX	8/7/09	850
Received by	Van	Speedy	8/7/09	850
Relinquished by	Van	Speedy	8/7/09	10:35
Received by			8/7/09	1035
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions

*Hold: KM-16-0809-8
KM-150809-6.5
KM-14-0809-W
KM-15-0809-W

⊗ Added 8/10/09. DB

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-051

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664							HOLD	% Moisture
11	KM-10-0809-2	8/6/09	1340	S	6		X	X	X		X		X			X										X
12	KM-10-0809-5.5		1350	S	6		X	X	X		X		X			X										X
13	KM-10-0809-W		1430	W	12		X	X	X		X		X			X									X	
14	KM-11-0809-2.5		1505	S	6		X	X	X		X		X			X										X
15	KM-11-0809-7		1515	S	6		X	X	X		X		X			X									X	
16	KM-11-0809-W		1555	W	12		X	X	X		X		X			X									X	

	Signature	Company	Date	Time
Relinquished by		Amec GMX	8/7/09	850
Received by	Van	Speedy	8/7/09	850
Relinquished by	Van	Speedy	8/7/09	1035
Received by			8/7/09	1035
Relinquished by				
Received by				

Comments/Special Instructions:

*Hold: KM-10-0809-W
KM-11-0809-W
KM-11-0809-7

Added 8/10/09. DTS

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 27, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-051B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

Case Narrative

Samples were collected on August 6, 2009, and received by the laboratory on August 7, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx/BTEX Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

NWTPH-Gx/BTEX

Date Extracted: 8-20-09
Date Analyzed: 8-20-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID: **KM-11-0809-7**
Lab ID: 08-051-15

	Result	Flags	PQL
Benzene	**ND**		0.020
Toluene	**ND**		0.051
Ethyl Benzene	**ND**		0.051
m,p-Xylene	**ND**		0.051
o-Xylene	**ND**		0.051
TPH-Gas	**ND**		5.1
Surrogate Recovery:			
Fluorobenzene	105%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

NWTPH-Gx/BTEX
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-20-09
Date Analyzed: 8-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0820S1

	Result	Flags	PQL
Benzene	**ND**		0.020
Toluene	**ND**		0.050
Ethyl Benzene	**ND**		0.050
m,p-Xylene	**ND**		0.050
o-Xylene	**ND**		0.050
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	99%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

NWTPH-Gx/BTEX
DUPLICATE QUALITY CONTROL

Date Extracted: 8-20-09
Date Analyzed: 8-20-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-151-02 **Original**	08-151-02 **Duplicate**	**RPD**	**Flags**
Benzene	**ND**	**ND**	NA	
Toluene	**ND**	**ND**	NA	
Ethyl Benzene	**ND**	**ND**	NA	
m,p-Xylene	**ND**	**ND**	NA	
o-Xylene	**ND**	**ND**	NA	
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	115%	110%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

NWTPH-Gx/BTEX
SB/SBD QUALITY CONTROL

Date Extracted: 8-20-09
Date Analyzed: 8-20-09

Matrix: Soil
Units: mg/kg (ppm)

Spike Level: 1.00 ppm

Lab ID:	SB0820S1 **SB**	Percent Recovery	SBD0820S1 **SBD**	Percent Recovery	**RPD**	**Flags**
Benzene	**0.950**	**95**	**0.947**	**95**	0	
Toluene	**0.984**	**98**	**0.991**	**99**	1	
Ethyl Benzene	**0.989**	**99**	**1.00**	**100**	1	
m,p-Xylene	**1.01**	**101**	**1.02**	**102**	1	
o-Xylene	**1.00**	**100**	**1.00**	**100**	1	

Surrogate Recovery:
Fluorobenzene 102% 102%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 27, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051B
Project: 14697

% MOISTURE

Date Analyzed: 8-20-09

Client ID	Lab ID	% Moisture
KM-11-0809-7	08-051-15	5

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to mineral spirits.

Z2 - The chromatogram is similar to gas with mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 4, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-051C

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 7, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

Case Narrative

Samples were collected on August 6, 2009, and received by the laboratory on August 7, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx and Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

The extraction and analysis holding time for sample KM-16-0809-8 were exceeded by seven days.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

The extraction holding time for sample KM-16-0809-8 were exceeded by seven days.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

NWTPH-Gx

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix: Soil	
Units: mg/kg (ppm)	
Client ID:	**KM-16-0809-8**
Lab ID:	08-051-02

	Result	Flags	PQL
TPH-Gas	**ND** J		5.2
Surrogate Recovery:			
Fluorobenzene	105%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB0827S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	104%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-157-28 **Original**	08-157-28 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	114%	109%		

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-051-02
Client ID:	**KM-16-0809-8**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND	J	0.0012
Chloromethane	ND		0.0060
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0060
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0060
Iodomethane	ND		0.0060
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0060
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0060
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0060
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0060
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0060
Toluene	ND		0.0060
(trans) 1,3-Dichloropropene	ND		0.0012

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-051-02
Client ID: KM-16-0809-8

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0060
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0060
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0060
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	97	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	93	54-130

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	8-27-09
Date Analyzed:	8-27-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0827S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0827S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	55-125
Toluene-d8	104	56-127
4-Bromofluorobenzene	97	54-130

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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-27-09
Date Analyzed: 8-27-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0827S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0524	105	0.0514	103	70-130	
Benzene	0.0500	0.0480	96	0.0455	91	70-128	
Trichloroethene	0.0500	0.0453	91	0.0457	91	70-124	
Toluene	0.0500	0.0480	96	0.0489	98	73-123	
Chlorobenzene	0.0500	0.0425	85	0.0435	87	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	16	
Benzene	5	15	
Trichloroethene	1	14	
Toluene	2	14	
Chlorobenzene	2	13	

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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-8**					
Laboratory ID:	08-051-02					
N-Nitrosodimethylamine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Pyridine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Phenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Aniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroethyl)ether	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Chlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,3-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,4-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Benzyl alcohol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,2-Dichlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Methylphenol (o-Cresol)	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroisopropyl)ether	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
N-Nitroso-di-n-propylamine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Hexachloroethane	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Nitrobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Isophorone	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Nitrophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4-Dimethylphenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroethoxy)methane	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4-Dichlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,2,4-Trichlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Naphthalene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
4-Chloroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Hexachlorobutadiene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
4-Chloro-3-methylphenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Methylnaphthalene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
1-Methylnaphthalene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Hexachlorocyclopentadiene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4,6-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,3-Dichloroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4,5-Trichlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Chloronaphthalene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2-Nitroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,4-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Dimethylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,3-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,6-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,2-Dinitrobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Acenaphthylene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
3-Nitroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	

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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-16-0809-8**					
Laboratory ID:	08-051-02					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270	8-31-09	9-1-09	
Acenaphthene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
4-Nitrophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,4-Dinitrotoluene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Dibenzofuran	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Diethylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
4-Chlorophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
4-Nitroaniline	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Fluorene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270	8-31-09	9-1-09	
N-Nitrosodiphenylamine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
1,2-Diphenylhydrazine	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
4-Bromophenyl-phenylether	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Hexachlorobenzene	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Pentachlorophenol	**ND**	0.18	EPA 8270	8-31-09	9-1-09	
Phenanthrene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Anthracene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Carbazole	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Di-n-butylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Fluoranthene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Benzidine	**ND**	0.35	EPA 8270	8-31-09	9-1-09	
Pyrene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Butylbenzylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
bis-2-Ethylhexyladipate	**0.095**	0.035	EPA 8270	8-31-09	9-1-09	
3,3'-Dichlorobenzidine	**ND**	0.35	EPA 8270	8-31-09	9-1-09	
Benzo[a]anthracene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Chrysene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Di-n-octylphthalate	**ND**	0.035	EPA 8270	8-31-09	9-1-09	
Benzo[b]fluoranthene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[k]fluoranthene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[a]pyrene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Dibenz[a,h]anthracene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[g,h,i]perylene	**ND**	0.014	EPA 8270/SIM	8-31-09	9-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*65*	*19 - 97*				
Phenol-d6	*76*	*22 - 108*				
Nitrobenzene-d5	*66*	*21 - 106*				
2-Fluorobiphenyl	*59*	*29 - 107*				
2,4,6-Tribromophenol	*71*	*44 - 121*				
Terphenyl-d14	*77*	*37 - 120*				

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Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0831S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Pyridine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Phenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Aniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Isophorone	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	

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Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0831S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-31-09	9-1-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-31-09	9-1-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-31-09	9-1-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Carbazole	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Benzidine	**ND**	0.33	EPA 8270	8-31-09	9-1-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-31-09	9-1-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-31-09	9-1-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-31-09	9-3-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*19 - 97*				
Phenol-d6	*67*	*22 - 108*				
Nitrobenzene-d5	*61*	*21 - 106*				
2-Fluorobiphenyl	*55*	*29 - 107*				
2,4,6-Tribromophenol	*71*	*44 - 121*				
Terphenyl-d14	*79*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0831S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.974**	**0.851**	1.33	1.33	73	64	27 - 100	13	37	
2-Chlorophenol	**0.860**	**0.724**	1.33	1.33	65	54	23 - 104	17	43	
1,4-Dichlorobenzene	**0.375**	**0.311**	0.667	0.667	56	47	23 - 86	19	40	
N-Nitroso-di-n-propylamine	**0.466**	**0.425**	0.667	0.667	70	64	28 - 96	9	37	
1,2,4-Trichlorobenzene	**0.351**	**0.289**	0.667	0.667	53	43	25 - 90	19	40	
4-Chloro-3-methylphenol	**1.00**	**0.913**	1.33	1.33	75	69	44 - 106	9	31	
Acenaphthene	**0.408**	**0.381**	0.667	0.667	61	57	39 - 93	7	28	
4-Nitrophenol	**1.18**	**0.988**	1.33	1.33	89	74	30 - 124	18	31	
2,4-Dinitrotoluene	**0.516**	**0.461**	0.667	0.667	77	69	53 - 109	11	34	
Pentachlorophenol	**0.883**	**0.777**	1.33	1.33	66	58	47 - 122	13	33	
Pyrene	**0.513**	**0.470**	0.667	0.667	77	70	55 - 108	9	29	
Surrogate:										
2-Fluorophenol					*64*	*54*	*19 - 97*			
Phenol-d6					*70*	*63*	*22 - 108*			
Nitrobenzene-d5					*64*	*55*	*21 - 106*			
2-Fluorobiphenyl					*57*	*54*	*29 - 107*			
2,4,6-Tribromophenol					*65*	*60*	*44 - 121*			
Terphenyl-d14					*73*	*67*	*37 - 120*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 4, 2009
Samples Submitted: August 7, 2009
Laboratory Reference: 0908-051C
Project: 14697

% MOISTURE

Date Analyzed: 8-27-09

Client ID	Lab ID	% Moisture
KM-16-0809-8	08-051-02	6

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore Phase II
Project Managers: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-051

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664						HOLD	% Moisture
1	KM-16-0809-4	8/6/09	715	S	6		X	X	X		X		X			X									X
2	KM-16-0809-8		720	S	6		■	X	■		■		X			X								X	■
3	KM-15-0809-4		855	S	6		X	X	X		X		X			X									X
4	KM-15-0809-6,5		905	S	6		X	X	X		X		X			X								X	
5	KM-14-0809-2		1045	S	6		X	X	X		X		X			X									X
6	KM-14-0809-7		1050	S	6		X	X	X		X		X			X		HOLD.						⊗	X
7	KM-16-0809-W		0800	W	12		X	X	X		X		X			X									
8	KM-15-0809-W		0950	W	12		X	X	X		X		X			X								X	
9	KM-14-0809-W		1130	W	12		⊗	⊗	⊗		⊗		⊗			⊗								X	
10	KM-13-0809-2	↓	1215	S	6		X	X	X		X		X			X									X

	Signature	Company	Date	Time
Relinquished by		Amec GMX	8/7/09	850
Received by		Speedy	8/7/09	850
Relinquished by		Speedy	8/7/09	10:35
Received by			8/7/09	1035
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions

* Hold: KM-16-0809-8
KM-15-0809-6,5
KM-14-0809-W
KM-15-0809-W

⊗ Added 8/10/09. DB
● Added 8/20/09. DB
■ Added 8/27/09. DB

Chromatograms with final report ☑

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-051

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	HOLD	% Moisture
11	KM-10-0809-2	8/6/09	1340	S	6		X	X	X		X		X			X				X
12	KM-10-0809-5.5		1350	S	6		X	X	X		X		X			X				X
13	KM-10-0809-W		1430	W	12		⊗	⊗	⊗		⊗		⊗			⊗			X	
14	KM-11-0809-2.5		1505	S	6		X	X	X		X		X			X				X
15	KM-11-0809-7		1515	S	6		●	X	X		X		X			X			X	●
16	KM-11-0809-W		1555	W	12		X	X	X		X		X			X			X	

	Signature	Company	Date	Time
Relinquished by		Amec GMX	8/7/09	850
Received by		Speedy	8/7/09	850
Relinquished by		Speedy	8/7/09	10:35
Received by			8/7/09	1035
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

*Hold: KM-10-0809-W
KM-11-0809-W
KM-11-0809-7

⊗ Added 8/10/09. DB
● Added 8/20/09. DB

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 24, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-054

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 8, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

Case Narrative

Samples were collected on August 7, 2009, and received by the laboratory on August 8, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Volatiles EPA 8260B Analysis

Per EPA Method 5035A, samples were received by the laboratory in pre-weighed 40 mL VOA vials within 48 hours of sample collection. They were stored in a freezer at between -7°C and -20°C until extraction or analysis.

Some MTCA cleanup levels are non-achievable for samples KM-7-0809-7 and KM-6-0809-2 due to the necessary dilution of the samples.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

Samples KM-8-0809-7 and method blank MB0817S1 had one surrogate recovery out of control limits. This is within allowance of our standard operation procedure as long as the recovery is above 10%.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09					
Date Analyzed:	8-10&14-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-7-0809-2**			**KM-7-0809-7**		
Lab ID:	08-054-01			08-054-02		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**1200**	**Z1**	19	**2300**	**Z2**	590
Surrogate Recovery:						
Fluorobenzene	90%			---	**S**	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09					
Date Analyzed:	8-10&14-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-8-0809-2**			**KM-8-0809-7**		
Lab ID:	08-054-04			08-054-05		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**80**	**T**	14	**8400**	**Z1**	110
Surrogate Recovery:						
Fluorobenzene	85%			85%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09					
Date Analyzed:	8-10&14-09					
Matrix: Soil						
Units: mg/kg (ppm)						
Client ID:	**KM-12-0809-2**			**KM-5-0809-2.5**		
Lab ID:	08-054-07			08-054-10		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		5.0	**35**	**Z2**	7.2
Surrogate Recovery:						
Fluorobenzene	99%			90%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09	
Date Analyzed:	8-14-09	
Matrix: Soil		
Units: mg/kg (ppm)		
Client ID:	**KM-5-0809-6.5**	**KM-6-0809-2**
Lab ID:	08-054-11	08-054-13

	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**4400**	**Z2**	1200	**110**	**Z2**	62
Surrogate Recovery:						
Fluorobenzene	---	**S**		92%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted:	8-10-09
Date Analyzed:	8-14-09
Matrix: Soil	
Units: mg/kg (ppm)	
Client ID:	**KM-6-0809-4**
Lab ID:	08-054-14

	Result	Flags	PQL
TPH-Gas	**1200**	**Z2**	120
Surrogate Recovery:			
Fluorobenzene	83%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix: Soil	
Units: mg/kg (ppm)	
Lab ID:	MB0810S2

	Result	Flags	PQL
TPH-Gas	**ND**		5.0
Surrogate Recovery:			
Fluorobenzene	85%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-14-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID:	08-054-07 **Original**	08-054-07 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	99%	95%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Client ID:	**KM-7-0809-W**			**KM-5-0809-W**		
Lab ID:	08-054-03			08-054-12		
	Result	Flags	PQL	**Result**	Flags	PQL
TPH-Gas	**ND**		100	**290**		100
Surrogate Recovery:						
Fluorobenzene	94%			95%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0810W2

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	94%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Date Extracted: 8-12-09
Date Analyzed: 8-12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0812W1

	Result	Flags	PQL
TPH-Gas	**ND**		100
Surrogate Recovery:			
Fluorobenzene	93%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&12-09
Date Analyzed: 8-10&12-09

Matrix: Water
Units: ug/L (ppb)

Lab ID:	08-045-02 **Original**	08-045-02 **Duplicate**	**RPD**	**Flags**
TPH-Gas	**ND**	**ND**	NA	
Surrogate Recovery:				
Fluorobenzene	98%	94%		

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-7-0809-2**	**KM-7-0809-7**	**KM-8-0809-2**
Lab ID:	08-054-01	08-054-02	08-054-04
Diesel Range:	**ND**	**ND**	**34**
PQL:	94	920	33
Identification:	---	---	Diesel Range Organics
Lube Oil Range:	**97**	**ND**	**140**
PQL:	74	57	65
Identification:	Lube Oil	---	Lube Oil
Surrogate Recovery			
o-Terphenyl:	88%	90%	109%
Flags:	Y,U1	Y,U1	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-8-0809-7**	**KM-12-0809-2**	**KM-5-0809-2.5**
Lab ID:	08-054-05	08-054-07	08-054-10
Diesel Range:	**ND**	**ND**	**ND**
PQL:	2200	26	32
Identification:	---	---	---
Lube Oil Range:	**ND**	**ND**	**ND**
PQL:	54	53	64
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	89%	108%	119%
Flags:	Y,U1	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx

Date Extracted: 8-13-09
Date Analyzed: 8-13-09

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	**KM-5-0809-6.5**	**KM-6-0809-2**	**KM-6-0809-4**
Lab ID:	08-054-11	08-054-13	08-054-14
Diesel Range:	**ND**	**ND**	**ND**
PQL:	840	27	36
Identification:	---	---	---
Lube Oil Range:	**ND**	**ND**	**ND**
PQL:	53	54	53
Identification:	---	---	---
Surrogate Recovery			
o-Terphenyl:	107%	107%	109%
Flags:	Y,U1	Y	Y,U1

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0813S2
Diesel Range:	**ND**
PQL:	25
Identification:	---
Lube Oil Range:	**ND**
PQL:	50
Identification:	---
Surrogate Recovery	
o-Terphenyl:	91%
Flags:	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-13-09
Date Analyzed:	8-13-09
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID:	08-054-07	08-054-07 DUP
Diesel Range:	**ND**	**ND**
PQL:	25	25
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	108%	126%
Flags:	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)

Client ID:	**KM-7-0809-W**	**KM-5-0809-W**
Lab ID:	08-054-03	08-054-12
Diesel Range:	**ND**	**ND**
PQL:	0.28	0.28
Identification:	---	---
Lube Oil Range:	**ND**	**ND**
PQL:	0.44	0.45
Identification:	---	---
Surrogate Recovery		
o-Terphenyl:	86%	78%
Flags:	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)
Lab ID:	MB0810W1
Diesel Range:	**ND**
PQL:	0.25
Identification:	---
Lube Oil Range:	**ND**
PQL:	0.40
Identification:	---
Surrogate Recovery	
o-Terphenyl:	83%
Flags:	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	mg/L (ppm)

Lab ID:	08-035-08	08-035-08 DUP
Diesel Range:	**ND**	**ND**
PQL:	0.27	0.28
RPD:	N/A	
Surrogate Recovery		
o-Terphenyl:	78%	93%
Flags:	Y	Y

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-01
Client ID:	**KM-7-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		2.0
Chloromethane	ND		9.9
Vinyl Chloride	ND		2.0
Bromomethane	ND		2.0
Chloroethane	ND		9.9
Trichlorofluoromethane	ND		2.0
1,1-Dichloroethene	ND		2.0
Acetone	ND		9.9
Iodomethane	ND		9.9
Carbon Disulfide	ND		2.0
Methylene Chloride	ND		9.9
(trans) 1,2-Dichloroethene	ND		2.0
Methyl t-Butyl Ether	ND		2.0
1,1-Dichloroethane	ND		2.0
Vinyl Acetate	ND		9.9
2,2-Dichloropropane	ND		2.0
(cis) 1,2-Dichloroethene	ND		2.0
2-Butanone	ND		9.9
Bromochloromethane	ND		2.0
Chloroform	ND		2.0
1,1,1-Trichloroethane	ND		2.0
Carbon Tetrachloride	ND		2.0
1,1-Dichloropropene	ND		2.0
Benzene	ND		2.0
1,2-Dichloroethane	ND		2.0
Trichloroethene	ND		2.0
1,2-Dichloropropane	ND		2.0
Dibromomethane	ND		2.0
Bromodichloromethane	ND		2.0
2-Chloroethyl Vinyl Ether	ND		9.9
(cis) 1,3-Dichloropropene	ND		2.0
Methyl Isobutyl Ketone	47		9.9
Toluene	1200		50
(trans) 1,3-Dichloropropene	ND		2.0

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

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Lab ID: 08-054-01
Client ID: KM-7-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		2.0
Tetrachloroethene	ND		2.0
1,3-Dichloropropane	ND		2.0
2-Hexanone	ND		9.9
Dibromochloromethane	ND		2.0
1,2-Dibromoethane	ND		2.0
Chlorobenzene	ND		2.0
1,1,1,2-Tetrachloroethane	ND		2.0
Ethylbenzene	57		2.0
m,p-Xylene	210		4.0
o-Xylene	59		2.0
Styrene	ND		2.0
Bromoform	ND		2.0
Isopropylbenzene	ND		2.0
Bromobenzene	ND		2.0
1,1,2,2-Tetrachloroethane	ND		2.0
1,2,3-Trichloropropane	ND		2.0
n-Propylbenzene	ND		2.0
2-Chlorotoluene	ND		2.0
4-Chlorotoluene	ND		2.0
1,3,5-Trimethylbenzene	ND		2.0
tert-Butylbenzene	ND		2.0
1,2,4-Trimethylbenzene	3.6		2.0
sec-Butylbenzene	ND		2.0
1,3-Dichlorobenzene	ND		2.0
p-Isopropyltoluene	ND		2.0
1,4-Dichlorobenzene	ND		2.0
1,2-Dichlorobenzene	ND		2.0
n-Butylbenzene	ND		2.0
1,2-Dibromo-3-chloropropane	ND		9.9
1,2,4-Trichlorobenzene	ND		2.0
Hexachlorobutadiene	ND		9.9
Naphthalene	ND		2.0
1,2,3-Trichlorobenzene	ND		2.0

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	102	54-130

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-02
Client ID:	**KM-7-0809-7**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.072
Chloromethane	ND		0.36
Vinyl Chloride	ND		0.072
Bromomethane	ND		0.072
Chloroethane	ND		0.36
Trichlorofluoromethane	ND		0.072
1,1-Dichloroethene	ND		0.072
Acetone	0.36		0.36
Iodomethane	ND		0.36
Carbon Disulfide	ND		0.072
Methylene Chloride	ND		0.36
(trans) 1,2-Dichloroethene	ND		0.072
Methyl t-Butyl Ether	ND		0.072
1,1-Dichloroethane	ND		0.072
Vinyl Acetate	ND		0.36
2,2-Dichloropropane	ND		0.072
(cis) 1,2-Dichloroethene	ND		0.072
2-Butanone	ND		0.36
Bromochloromethane	ND		0.072
Chloroform	ND		0.072
1,1,1-Trichloroethane	ND		0.072
Carbon Tetrachloride	ND		0.072
1,1-Dichloropropene	ND		0.072
Benzene	ND		0.072
1,2-Dichloroethane	ND		0.072
Trichloroethene	ND		0.072
1,2-Dichloropropane	ND		0.072
Dibromomethane	ND		0.072
Bromodichloromethane	ND		0.072
2-Chloroethyl Vinyl Ether	ND		0.36
(cis) 1,3-Dichloropropene	ND		0.072
Methyl Isobutyl Ketone	ND		0.36
Toluene	ND		0.36
(trans) 1,3-Dichloropropene	ND		0.072

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Date of Report: August 24, 2009
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Lab ID: 08-054-02
Client ID: KM-7-0809-7

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.072
Tetrachloroethene	ND		0.072
1,3-Dichloropropane	ND		0.072
2-Hexanone	ND		0.36
Dibromochloromethane	ND		0.072
1,2-Dibromoethane	ND		0.072
Chlorobenzene	ND		0.072
1,1,1,2-Tetrachloroethane	ND		0.072
Ethylbenzene	ND		0.072
m,p-Xylene	ND		0.14
o-Xylene	ND		0.072
Styrene	ND		0.072
Bromoform	ND		0.072
Isopropylbenzene	0.25		0.072
Bromobenzene	ND		0.072
1,1,2,2-Tetrachloroethane	ND		0.072
1,2,3-Trichloropropane	ND		0.072
n-Propylbenzene	0.40		0.072
2-Chlorotoluene	ND		0.072
4-Chlorotoluene	ND		0.072
1,3,5-Trimethylbenzene	ND		0.072
tert-Butylbenzene	ND		0.072
1,2,4-Trimethylbenzene	ND		0.072
sec-Butylbenzene	0.12		0.072
1,3-Dichlorobenzene	ND		0.072
p-Isopropyltoluene	ND		0.072
1,4-Dichlorobenzene	ND		0.072
1,2-Dichlorobenzene	ND		0.072
n-Butylbenzene	0.19		0.072
1,2-Dibromo-3-chloropropane	ND		0.36
1,2,4-Trichlorobenzene	ND		0.072
Hexachlorobutadiene	ND		0.36
Naphthalene	ND		0.072
1,2,3-Trichlorobenzene	ND		0.072

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	74	55-125
Toluene-d8	82	56-127
4-Bromofluorobenzene	104	54-130

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Date of Report: August 24, 2009
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Project: 14697

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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-04
Client ID:	**KM-8-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.081
Chloromethane	ND		0.41
Vinyl Chloride	ND		0.081
Bromomethane	ND		0.081
Chloroethane	ND		0.41
Trichlorofluoromethane	ND		0.081
1,1-Dichloroethene	ND		0.081
Acetone	ND		0.41
Iodomethane	ND		0.41
Carbon Disulfide	ND		0.081
Methylene Chloride	ND		0.41
(trans) 1,2-Dichloroethene	ND		0.081
Methyl t-Butyl Ether	ND		0.081
1,1-Dichloroethane	ND		0.081
Vinyl Acetate	ND		0.41
2,2-Dichloropropane	ND		0.081
(cis) 1,2-Dichloroethene	ND		0.081
2-Butanone	ND		0.41
Bromochloromethane	ND		0.081
Chloroform	ND		0.081
1,1,1-Trichloroethane	ND		0.081
Carbon Tetrachloride	ND		0.081
1,1-Dichloropropene	ND		0.081
Benzene	0.13		0.081
1,2-Dichloroethane	ND		0.081
Trichloroethene	ND		0.081
1,2-Dichloropropane	ND		0.081
Dibromomethane	ND		0.081
Bromodichloromethane	ND		0.081
2-Chloroethyl Vinyl Ether	ND		0.41
(cis) 1,3-Dichloropropene	ND		0.081
Methyl Isobutyl Ketone	ND		0.41
Toluene	ND		0.41
(trans) 1,3-Dichloropropene	ND		0.081

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Date of Report: August 24, 2009
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Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 08-054-04
Client ID: KM-8-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.081
Tetrachloroethene	ND		0.081
1,3-Dichloropropane	ND		0.081
2-Hexanone	ND		0.41
Dibromochloromethane	ND		0.081
1,2-Dibromoethane	ND		0.081
Chlorobenzene	ND		0.081
1,1,1,2-Tetrachloroethane	ND		0.081
Ethylbenzene	0.45		0.081
m,p-Xylene	7.4		0.16
o-Xylene	ND		0.081
Styrene	ND		0.081
Bromoform	ND		0.081
Isopropylbenzene	0.085		0.081
Bromobenzene	ND		0.081
1,1,2,2-Tetrachloroethane	ND		0.081
1,2,3-Trichloropropane	ND		0.081
n-Propylbenzene	ND		0.081
2-Chlorotoluene	ND		0.081
4-Chlorotoluene	ND		0.081
1,3,5-Trimethylbenzene	ND		0.081
tert-Butylbenzene	ND		0.081
1,2,4-Trimethylbenzene	0.16		0.081
sec-Butylbenzene	ND		0.081
1,3-Dichlorobenzene	ND		0.081
p-Isopropyltoluene	ND		0.081
1,4-Dichlorobenzene	ND		0.081
1,2-Dichlorobenzene	ND		0.081
n-Butylbenzene	ND		0.081
1,2-Dibromo-3-chloropropane	ND		0.41
1,2,4-Trichlorobenzene	ND		0.081
Hexachlorobutadiene	ND		0.41
Naphthalene	0.14		0.081
1,2,3-Trichlorobenzene	ND		0.081

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	72	55-125
Toluene-d8	82	56-127
4-Bromofluorobenzene	111	54-130

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-05
Client ID:	**KM-8-0809-7**

Compound	**Results**	**Flags**	**PQL**
Dichlorodifluoromethane	ND		2.4
Chloromethane	ND		12
Vinyl Chloride	ND		2.4
Bromomethane	ND		2.4
Chloroethane	ND		12
Trichlorofluoromethane	ND		2.4
1,1-Dichloroethene	ND		2.4
Acetone	ND		12
Iodomethane	ND		12
Carbon Disulfide	ND		2.4
Methylene Chloride	ND		12
(trans) 1,2-Dichloroethene	ND		2.4
Methyl t-Butyl Ether	ND		2.4
1,1-Dichloroethane	ND		2.4
Vinyl Acetate	ND		12
2,2-Dichloropropane	ND		2.4
(cis) 1,2-Dichloroethene	ND		2.4
2-Butanone	ND		12
Bromochloromethane	ND		2.4
Chloroform	ND		2.4
1,1,1-Trichloroethane	ND		2.4
Carbon Tetrachloride	ND		2.4
1,1-Dichloropropene	ND		2.4
Benzene	ND		2.4
1,2-Dichloroethane	ND		2.4
Trichloroethene	ND		2.4
1,2-Dichloropropane	ND		2.4
Dibromomethane	ND		2.4
Bromodichloromethane	ND		2.4
2-Chloroethyl Vinyl Ether	ND		12
(cis) 1,3-Dichloropropene	ND		2.4
Methyl Isobutyl Ketone	ND		12
Toluene	ND		12
(trans) 1,3-Dichloropropene	ND		2.4

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Lab ID: 08-054-05
Client ID: KM-8-0809-7

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		2.4
Tetrachloroethene	ND		2.4
1,3-Dichloropropane	ND		2.4
2-Hexanone	ND		12
Dibromochloromethane	ND		2.4
1,2-Dibromoethane	ND		2.4
Chlorobenzene	ND		2.4
1,1,1,2-Tetrachloroethane	ND		2.4
Ethylbenzene	330		2.4
m,p-Xylene	590		4.8
o-Xylene	ND		2.4
Styrene	ND		2.4
Bromoform	ND		2.4
Isopropylbenzene	6.4		2.4
Bromobenzene	ND		2.4
1,1,2,2-Tetrachloroethane	ND		2.4
1,2,3-Trichloropropane	ND		2.4
n-Propylbenzene	7.5		2.4
2-Chlorotoluene	ND		2.4
4-Chlorotoluene	ND		2.4
1,3,5-Trimethylbenzene	10		2.4
tert-Butylbenzene	ND		2.4
1,2,4-Trimethylbenzene	27		2.4
sec-Butylbenzene	ND		2.4
1,3-Dichlorobenzene	ND		2.4
p-Isopropyltoluene	ND		2.4
1,4-Dichlorobenzene	ND		2.4
1,2-Dichlorobenzene	ND		2.4
n-Butylbenzene	ND		2.4
1,2-Dibromo-3-chloropropane	ND		12
1,2,4-Trichlorobenzene	ND		2.4
Hexachlorobutadiene	ND		12
Naphthalene	ND		2.4
1,2,3-Trichlorobenzene	ND		2.4

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	55-125
Toluene-d8	82	56-127
4-Bromofluorobenzene	112	54-130

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Date of Report: August 24, 2009
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Project: 14697

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Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-07
Client ID:	**KM-12-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0060
Vinyl Chloride	ND		0.0012
Bromomethane	ND		0.0012
Chloroethane	ND		0.0060
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0060
Iodomethane	ND		0.0060
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0060
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0060
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0060
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0060
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0060
Toluene	ND		0.0060
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: August 24, 2009
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Lab ID: 08-054-07
Client ID: KM-12-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0060
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0060
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0060
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	77	55-125
Toluene-d8	87	56-127
4-Bromofluorobenzene	114	54-130

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

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Date Extracted: 8-11-09
Date Analyzed: 8-11-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10
Client ID: KM-5-0809-2.5

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0016
Chloromethane	ND		0.0078
Vinyl Chloride	ND		0.0016
Bromomethane	ND		0.0016
Chloroethane	ND		0.0078
Trichlorofluoromethane	ND		0.0016
1,1-Dichloroethene	ND		0.0016
Acetone	0.076		0.0078
Iodomethane	ND		0.0078
Carbon Disulfide	ND		0.0016
Methylene Chloride	ND		0.0078
(trans) 1,2-Dichloroethene	ND		0.0016
Methyl t-Butyl Ether	ND		0.0016
1,1-Dichloroethane	ND		0.0016
Vinyl Acetate	ND		0.0078
2,2-Dichloropropane	ND		0.0016
(cis) 1,2-Dichloroethene	ND		0.0016
2-Butanone	0.011		0.0078
Bromochloromethane	ND		0.0016
Chloroform	ND		0.0016
1,1,1-Trichloroethane	ND		0.0016
Carbon Tetrachloride	ND		0.0016
1,1-Dichloropropene	ND		0.0016
Benzene	ND		0.0016
1,2-Dichloroethane	ND		0.0016
Trichloroethene	ND		0.0016
1,2-Dichloropropane	ND		0.0016
Dibromomethane	ND		0.0016
Bromodichloromethane	ND		0.0016
2-Chloroethyl Vinyl Ether	ND		0.0078
(cis) 1,3-Dichloropropene	ND		0.0016
Methyl Isobutyl Ketone	ND		0.0078
Toluene	ND		0.0078
(trans) 1,3-Dichloropropene	ND		0.0016

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Date of Report: August 24, 2009
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Lab ID: 08-054-10
Client ID: KM-5-0809-2.5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0016
Tetrachloroethene	ND		0.0016
1,3-Dichloropropane	ND		0.0016
2-Hexanone	ND		0.0078
Dibromochloromethane	ND		0.0016
1,2-Dibromoethane	ND		0.0016
Chlorobenzene	ND		0.0016
1,1,1,2-Tetrachloroethane	ND		0.0016
Ethylbenzene	0.0061		0.0016
m,p-Xylene	ND		0.0031
o-Xylene	ND		0.0016
Styrene	ND		0.0016
Bromoform	ND		0.0016
Isopropylbenzene	0.015		0.0016
Bromobenzene	ND		0.0016
1,1,2,2-Tetrachloroethane	ND		0.0016
1,2,3-Trichloropropane	ND		0.0016
n-Propylbenzene	0.016		0.0016
2-Chlorotoluene	ND		0.0016
4-Chlorotoluene	ND		0.0016
1,3,5-Trimethylbenzene	ND		0.0016
tert-Butylbenzene	ND		0.0016
1,2,4-Trimethylbenzene	ND		0.0016
sec-Butylbenzene	0.0030		0.0016
1,3-Dichlorobenzene	ND		0.0016
p-Isopropyltoluene	ND		0.0016
1,4-Dichlorobenzene	ND		0.0016
1,2-Dichlorobenzene	ND		0.0016
n-Butylbenzene	ND		0.0016
1,2-Dibromo-3-chloropropane	ND		0.0078
1,2,4-Trichlorobenzene	ND		0.0016
Hexachlorobutadiene	ND		0.0078
Naphthalene	0.0038		0.0016
1,2,3-Trichlorobenzene	ND		0.0016

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	79	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	106	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

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Date Extracted: 8-10-09
Date Analyzed: 8-11-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-11
Client ID: KM-5-0809-6.5

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.30
Chloromethane	ND		1.5
Vinyl Chloride	ND		0.30
Bromomethane	ND		0.30
Chloroethane	ND		1.5
Trichlorofluoromethane	ND		0.30
1,1-Dichloroethene	ND		0.30
Acetone	ND		1.5
Iodomethane	ND		1.5
Carbon Disulfide	ND		0.30
Methylene Chloride	ND		1.5
(trans) 1,2-Dichloroethene	ND		0.30
Methyl t-Butyl Ether	ND		0.30
1,1-Dichloroethane	ND		0.30
Vinyl Acetate	ND		1.5
2,2-Dichloropropane	ND		0.30
(cis) 1,2-Dichloroethene	ND		0.30
2-Butanone	ND		1.5
Bromochloromethane	ND		0.30
Chloroform	ND		0.30
1,1,1-Trichloroethane	ND		0.30
Carbon Tetrachloride	ND		0.30
1,1-Dichloropropene	ND		0.30
Benzene	ND		0.30
1,2-Dichloroethane	ND		0.30
Trichloroethene	ND		0.30
1,2-Dichloropropane	ND		0.30
Dibromomethane	ND		0.30
Bromodichloromethane	ND		0.30
2-Chloroethyl Vinyl Ether	ND		1.5
(cis) 1,3-Dichloropropene	ND		0.30
Methyl Isobutyl Ketone	ND		1.5
Toluene	ND		1.5
(trans) 1,3-Dichloropropene	ND		0.30

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Date of Report: August 24, 2009
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Project: 14697

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Lab ID: 08-054-11
Client ID: KM-5-0809-6.5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.30
Tetrachloroethene	ND		0.30
1,3-Dichloropropane	ND		0.30
2-Hexanone	ND		1.5
Dibromochloromethane	ND		0.30
1,2-Dibromoethane	ND		0.30
Chlorobenzene	ND		0.30
1,1,1,2-Tetrachloroethane	ND		0.30
Ethylbenzene	23		0.30
m,p-Xylene	ND		0.59
o-Xylene	ND		0.30
Styrene	ND		0.30
Bromoform	ND		0.30
Isopropylbenzene	1.6		0.30
Bromobenzene	ND		0.30
1,1,2,2-Tetrachloroethane	ND		0.30
1,2,3-Trichloropropane	ND		0.30
n-Propylbenzene	1.7		0.30
2-Chlorotoluene	ND		0.30
4-Chlorotoluene	ND		0.30
1,3,5-Trimethylbenzene	ND		0.30
tert-Butylbenzene	ND		0.30
1,2,4-Trimethylbenzene	ND		0.30
sec-Butylbenzene	0.36		0.30
1,3-Dichlorobenzene	ND		0.30
p-Isopropyltoluene	ND		0.30
1,4-Dichlorobenzene	ND		0.30
1,2-Dichlorobenzene	ND		0.30
n-Butylbenzene	0.55		0.30
1,2-Dibromo-3-chloropropane	ND		1.5
1,2,4-Trichlorobenzene	ND		0.30
Hexachlorobutadiene	ND		1.5
Naphthalene	ND		0.30
1,2,3-Trichlorobenzene	ND		0.30

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	76	55-125
Toluene-d8	87	56-127
4-Bromofluorobenzene	105	54-130

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Project: 14697

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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-13
Client ID:	**KM-6-0809-2**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.064
Chloromethane	ND		0.32
Vinyl Chloride	ND		0.064
Bromomethane	ND		0.064
Chloroethane	ND		0.32
Trichlorofluoromethane	ND		0.064
1,1-Dichloroethene	ND		0.064
Acetone	ND		0.32
Iodomethane	ND		0.32
Carbon Disulfide	ND		0.064
Methylene Chloride	ND		0.32
(trans) 1,2-Dichloroethene	ND		0.064
Methyl t-Butyl Ether	ND		0.064
1,1-Dichloroethane	ND		0.064
Vinyl Acetate	ND		0.32
2,2-Dichloropropane	ND		0.064
(cis) 1,2-Dichloroethene	ND		0.064
2-Butanone	ND		0.32
Bromochloromethane	ND		0.064
Chloroform	ND		0.064
1,1,1-Trichloroethane	ND		0.064
Carbon Tetrachloride	ND		0.064
1,1-Dichloropropene	ND		0.064
Benzene	ND		0.064
1,2-Dichloroethane	ND		0.064
Trichloroethene	ND		0.064
1,2-Dichloropropane	ND		0.064
Dibromomethane	ND		0.064
Bromodichloromethane	ND		0.064
2-Chloroethyl Vinyl Ether	ND		0.32
(cis) 1,3-Dichloropropene	ND		0.064
Methyl Isobutyl Ketone	ND		0.32
Toluene	ND		0.32
(trans) 1,3-Dichloropropene	ND		0.064

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Lab ID: 08-054-13
Client ID: KM-6-0809-2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.064
Tetrachloroethene	ND		0.064
1,3-Dichloropropane	ND		0.064
2-Hexanone	ND		0.32
Dibromochloromethane	ND		0.064
1,2-Dibromoethane	ND		0.064
Chlorobenzene	ND		0.064
1,1,1,2-Tetrachloroethane	ND		0.064
Ethylbenzene	ND		0.064
m,p-Xylene	ND		0.13
o-Xylene	ND		0.064
Styrene	ND		0.064
Bromoform	ND		0.064
Isopropylbenzene	ND		0.064
Bromobenzene	ND		0.064
1,1,2,2-Tetrachloroethane	ND		0.064
1,2,3-Trichloropropane	ND		0.064
n-Propylbenzene	ND		0.064
2-Chlorotoluene	ND		0.064
4-Chlorotoluene	ND		0.064
1,3,5-Trimethylbenzene	ND		0.064
tert-Butylbenzene	ND		0.064
1,2,4-Trimethylbenzene	ND		0.064
sec-Butylbenzene	ND		0.064
1,3-Dichlorobenzene	ND		0.064
p-Isopropyltoluene	ND		0.064
1,4-Dichlorobenzene	ND		0.064
1,2-Dichlorobenzene	ND		0.064
n-Butylbenzene	ND		0.064
1,2-Dibromo-3-chloropropane	ND		0.32
1,2,4-Trichlorobenzene	ND		0.064
Hexachlorobutadiene	ND		0.32
Naphthalene	ND		0.064
1,2,3-Trichlorobenzene	ND		0.064

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	73	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	102	54-130

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
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Laboratory Reference: 0908-054
Project: 14697

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Date Extracted:	8-10-09
Date Analyzed:	8-11-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	08-054-14
Client ID:	**KM-6-0809-4**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.062
Chloromethane	ND		0.31
Vinyl Chloride	ND		0.062
Bromomethane	ND		0.062
Chloroethane	ND		0.31
Trichlorofluoromethane	ND		0.062
1,1-Dichloroethene	ND		0.062
Acetone	ND		0.31
Iodomethane	ND		0.31
Carbon Disulfide	ND		0.062
Methylene Chloride	ND		0.31
(trans) 1,2-Dichloroethene	ND		0.062
Methyl t-Butyl Ether	ND		0.062
1,1-Dichloroethane	ND		0.062
Vinyl Acetate	ND		0.31
2,2-Dichloropropane	ND		0.062
(cis) 1,2-Dichloroethene	ND		0.062
2-Butanone	ND		0.31
Bromochloromethane	ND		0.062
Chloroform	ND		0.062
1,1,1-Trichloroethane	ND		0.062
Carbon Tetrachloride	ND		0.062
1,1-Dichloropropene	ND		0.062
Benzene	ND		0.062
1,2-Dichloroethane	ND		0.062
Trichloroethene	ND		0.062
1,2-Dichloropropane	ND		0.062
Dibromomethane	ND		0.062
Bromodichloromethane	ND		0.062
2-Chloroethyl Vinyl Ether	ND		0.31
(cis) 1,3-Dichloropropene	ND		0.062
Methyl Isobutyl Ketone	ND		0.31
Toluene	0.33		0.31
(trans) 1,3-Dichloropropene	ND		0.062

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Lab ID: 08-054-14
Client ID: KM-6-0809-4

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.062
Tetrachloroethene	ND		0.062
1,3-Dichloropropane	ND		0.062
2-Hexanone	ND		0.31
Dibromochloromethane	ND		0.062
1,2-Dibromoethane	ND		0.062
Chlorobenzene	ND		0.062
1,1,1,2-Tetrachloroethane	ND		0.062
Ethylbenzene	8.3		0.062
m,p-Xylene	11		0.12
o-Xylene	1.8		0.062
Styrene	ND		0.062
Bromoform	ND		0.062
Isopropylbenzene	0.77		0.062
Bromobenzene	ND		0.062
1,1,2,2-Tetrachloroethane	ND		0.062
1,2,3-Trichloropropane	ND		0.062
n-Propylbenzene	0.90		0.062
2-Chlorotoluene	ND		0.062
4-Chlorotoluene	ND		0.062
1,3,5-Trimethylbenzene	0.35		0.062
tert-Butylbenzene	ND		0.062
1,2,4-Trimethylbenzene	1.3		0.062
sec-Butylbenzene	0.14		0.062
1,3-Dichlorobenzene	ND		0.062
p-Isopropyltoluene	0.088		0.062
1,4-Dichlorobenzene	ND		0.062
1,2-Dichlorobenzene	ND		0.062
n-Butylbenzene	ND		0.062
1,2-Dibromo-3-chloropropane	ND		0.31
1,2,4-Trichlorobenzene	ND		0.062
Hexachlorobutadiene	ND		0.31
Naphthalene	0.21		0.062
1,2,3-Trichlorobenzene	ND		0.062

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	76	55-125
Toluene-d8	86	56-127
4-Bromofluorobenzene	113	54-130

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Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0810S2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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Lab ID: MB0810S2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	78	55-125
Toluene-d8	89	56-127
4-Bromofluorobenzene	118	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
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METHOD BLANK QUALITY CONTROL
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Date Extracted: 8-11-09
Date Analyzed: 8-11-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0811S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 24, 2009
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Lab ID: MB0811S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	55-125
Toluene-d8	96	56-127
4-Bromofluorobenzene	114	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0810S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0393	79	0.0393	79	70-130	
Benzene	0.0500	0.0355	71	0.0353	71	70-128	
Trichloroethene	0.0500	0.0372	74	0.0391	78	70-124	
Toluene	0.0500	0.0373	75	0.0382	76	73-123	
Chlorobenzene	0.0500	0.0489	98	0.0497	99	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	0	16	
Benzene	1	15	
Trichloroethene	5	14	
Toluene	2	14	
Chlorobenzene	2	13	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-11-09
Date Analyzed: 8-11-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0811S1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	0.0500	0.0401	80	0.0394	79	70-130	
Benzene	0.0500	0.0360	72	0.0370	74	70-128	
Trichloroethene	0.0500	0.0402	80	0.0428	86	70-124	
Toluene	0.0500	0.0394	79	0.0406	81	73-123	
Chlorobenzene	0.0500	0.0507	101	0.0523	105	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	16	
Benzene	3	15	
Trichloroethene	6	14	
Toluene	3	14	
Chlorobenzene	3	13	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-054-03
Client ID:	**KM-7-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	13		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-054-03
Client ID: KM-7-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	0.48		0.20
m,p-Xylene	1.0		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.26		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	80	71-126
Toluene-d8	85	76-116
4-Bromofluorobenzene	91	70-123

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-10-09
Date Analyzed:	8-10-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-054-12
Client ID:	**KM-5-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	4.2		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-054-12
Client ID: KM-5-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	15		0.20
m,p-Xylene	57		0.40
o-Xylene	6.7		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	0.65		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.29		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.28		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	84	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	94	70-123

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0810W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0810W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	92	70-123

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-10-09
Date Analyzed: 8-10-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0810W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	8.72	87	8.17	82	70-130	
Benzene	10.0	9.38	94	8.88	89	70-130	
Trichloroethene	10.0	9.65	97	9.29	93	70-123	
Toluene	10.0	9.88	99	9.75	98	77-120	
Chlorobenzene	10.0	10.6	106	10.6	106	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	7	21	
Benzene	5	18	
Trichloroethene	4	18	
Toluene	1	17	
Chlorobenzene	0	18	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-2**					
Laboratory ID:	08-054-01					
N-Nitrosodimethylamine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**3.5**	0.49	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**4.1**	0.49	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.14**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.023**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.013**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-2**					
Laboratory ID:	08-054-01					
2,4-Dinitrophenol	**ND**	2.5	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	2.5	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	2.5	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.017**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**0.025**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	4.9	EPA 8270	8-14-09	8-23-09	
Pyrene	**0.024**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	4.9	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.49	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0098	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*45*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*55*	*21 - 106*				
2-Fluorobiphenyl	*58*	*29 - 107*				
2,4,6-Tribromophenol	*54*	*44 - 121*				
Terphenyl-d14	*63*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-7**					
Laboratory ID:	08-054-02					
N-Nitrosodimethylamine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Naphthalene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.032**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.020**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-7**					
Laboratory ID:	08-054-02					
2,4-Dinitrophenol	**ND**	0.96	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.96	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	0.96	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	1.9	EPA 8270	8-14-09	8-23-09	
Pyrene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.9	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.19	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*60*	*19 - 97*				
Phenol-d6	*77*	*22 - 108*				
Nitrobenzene-d5	*94*	*21 - 106*				
2-Fluorobiphenyl	*76*	*29 - 107*				
2,4,6-Tribromophenol	*72*	*44 - 121*				
Terphenyl-d14	*84*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-2**					
Laboratory ID:	08-054-04					
N-Nitrosodimethylamine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.13**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.030**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.019**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**0.032**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-2**					
Laboratory ID:	08-054-04					
2,4-Dinitrophenol	**ND**	2.2	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**0.013**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Fluorene	**0.034**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	2.2	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	2.2	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.45**	0.43	EPA 8270	8-14-09	8-23-09	
Anthracene	**0.13**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**1.1**	0.43	EPA 8270	8-14-09	8-23-09	
Benzidine	**ND**	4.3	EPA 8270	8-14-09	8-23-09	
Pyrene	**1.2**	0.43	EPA 8270	8-14-09	8-23-09	
Butylbenzylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	4.3	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**0.46**	0.43	EPA 8270	8-14-09	8-23-09	
Chrysene	**0.64**	0.43	EPA 8270	8-14-09	8-23-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.43	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**0.49**	0.43	EPA 8270	8-14-09	8-23-09	
Benzo[k]fluoranthene	**0.50**	0.43	EPA 8270	8-14-09	8-23-09	
Benzo[a]pyrene	**0.81**	0.43	EPA 8270	8-14-09	8-23-09	
Indeno[1,2,3-cd]pyrene	**0.51**	0.43	EPA 8270	8-14-09	8-23-09	
Dibenz[a,h]anthracene	**0.10**	0.0087	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**0.72**	0.43	EPA 8270	8-14-09	8-23-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*40*	*19 - 97*				
Phenol-d6	*51*	*22 - 108*				
Nitrobenzene-d5	*47*	*21 - 106*				
2-Fluorobiphenyl	*58*	*29 - 107*				
2,4,6-Tribromophenol	*51*	*44 - 121*				
Terphenyl-d14	*67*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-7**					
Laboratory ID:	08-054-05					
N-Nitrosodimethylamine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.69**	0.36	EPA 8270	8-14-09	8-23-09	
4-Chloroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.21**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.12**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-7**					
Laboratory ID:	08-054-05					
2,4-Dinitrophenol	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**0.011**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Fluorene	**0.010**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.034**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**0.040**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	3.6	EPA 8270	8-14-09	8-23-09	
Pyrene	**0.054**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	3.6	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**0.012**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**0.013**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.36	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**0.017**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**0.014**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**0.0082**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**0.011**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*67*	*19 - 97*				
Phenol-d6	*115*	*22 - 108*				Q
Nitrobenzene-d5	*91*	*21 - 106*				
2-Fluorobiphenyl	*84*	*29 - 107*				
2,4,6-Tribromophenol	*75*	*44 - 121*				
Terphenyl-d14	*90*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-12-0809-2**					
Laboratory ID:	08-054-07					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Naphthalene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-12-0809-2**					
Laboratory ID:	08-054-07					
2,4-Dinitrophenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*61*	*19 - 97*				
Phenol-d6	*61*	*22 - 108*				
Nitrobenzene-d5	*64*	*21 - 106*				
2-Fluorobiphenyl	*63*	*29 - 107*				
2,4,6-Tribromophenol	*65*	*44 - 121*				
Terphenyl-d14	*77*	*37 - 120*				

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Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-2.5**					
Laboratory ID:	08-054-10					
N-Nitrosodimethylamine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.015**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.0089**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-2.5**					
Laboratory ID:	08-054-10					
2,4-Dinitrophenol	**ND**	1.1	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	1.1	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	1.1	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	2.1	EPA 8270	8-14-09	8-23-09	
Pyrene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	2.1	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.21	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0085	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*19 - 97*				
Phenol-d6	*62*	*22 - 108*				
Nitrobenzene-d5	*59*	*21 - 106*				
2-Fluorobiphenyl	*61*	*29 - 107*				
2,4,6-Tribromophenol	*59*	*44 - 121*				
Terphenyl-d14	*71*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-6.5**					
Laboratory ID:	08-054-11					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Naphthalene	**0.052**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**0.062**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**0.037**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-6.5**					
Laboratory ID:	08-054-11					
2,4-Dinitrophenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	0.88	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.015**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**0.010**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Pyrene	**0.012**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0070	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*69*	*19 - 97*				
Phenol-d6	*79*	*22 - 108*				
Nitrobenzene-d5	*91*	*21 - 106*				
2-Fluorobiphenyl	*75*	*29 - 107*				
2,4,6-Tribromophenol	*67*	*44 - 121*				
Terphenyl-d14	*79*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-6-0809-2**					
Laboratory ID:	08-054-13					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pyridine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Phenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Aniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Isophorone	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Naphthalene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
1-Methylnaphthalene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Acenaphthylene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-6-0809-2**					
Laboratory ID:	08-054-13					
2,4-Dinitrophenol	**ND**	0.90	EPA 8270	8-14-09	8-23-09	
Acenaphthene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluorene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.90	EPA 8270	8-14-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Pentachlorophenol	**ND**	0.90	EPA 8270	8-14-09	8-23-09	
Phenanthrene	**0.014**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Carbazole	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Fluoranthene	**0.011**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Pyrene	**0.012**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-14-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Chrysene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-14-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0072	EPA 8270/SIM	8-14-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*54*	*19 - 97*				
Phenol-d6	*58*	*22 - 108*				
Nitrobenzene-d5	*58*	*21 - 106*				
2-Fluorobiphenyl	*61*	*29 - 107*				
2,4,6-Tribromophenol	*55*	*44 - 121*				
Terphenyl-d14	*65*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-6-0809-4**					
Laboratory ID:	08-054-14					
N-Nitrosodimethylamine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Pyridine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Phenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Aniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
bis(2-Chloroethyl)ether	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Chlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,3-Dichlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,4-Dichlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Benzyl alcohol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,2-Dichlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Methylphenol (o-Cresol)	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
bis(2-Chloroisopropyl)ether	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
N-Nitroso-di-n-propylamine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Hexachloroethane	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Nitrobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Isophorone	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Nitrophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4-Dimethylphenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
bis(2-Chloroethoxy)methane	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4-Dichlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,2,4-Trichlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Naphthalene	**0.023**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
4-Chloroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Hexachlorobutadiene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
4-Chloro-3-methylphenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Methylnaphthalene	**0.015**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
1-Methylnaphthalene	**0.011**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4,6-Trichlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,3-Dichloroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4,5-Trichlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Chloronaphthalene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2-Nitroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,4-Dinitrobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Dimethylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,3-Dinitrobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,6-Dinitrotoluene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,2-Dinitrobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Acenaphthylene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
3-Nitroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-6-0809-4**					
Laboratory ID:	08-054-14					
2,4-Dinitrophenol	**ND**	0.89	EPA 8270	8-17-09	8-23-09	
Acenaphthene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
4-Nitrophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,4-Dinitrotoluene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Dibenzofuran	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Diethylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
4-Chlorophenyl-phenylether	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
4-Nitroaniline	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Fluorene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.89	EPA 8270	8-17-09	8-23-09	
N-Nitrosodiphenylamine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
1,2-Diphenylhydrazine	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
4-Bromophenyl-phenylether	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Hexachlorobenzene	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Pentachlorophenol	**ND**	0.89	EPA 8270	8-17-09	8-23-09	
Phenanthrene	**0.014**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Anthracene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Carbazole	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Di-n-butylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Fluoranthene	**0.012**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Benzidine	**ND**	1.8	EPA 8270	8-17-09	8-23-09	
Pyrene	**0.013**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Butylbenzylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
3,3'-Dichlorobenzidine	**ND**	1.8	EPA 8270	8-17-09	8-23-09	
Benzo[a]anthracene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Chrysene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Di-n-octylphthalate	**ND**	0.18	EPA 8270	8-17-09	8-23-09	
Benzo[b]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0071	EPA 8270/SIM	8-17-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*49*	*19 - 97*				
Phenol-d6	*56*	*22 - 108*				
Nitrobenzene-d5	*57*	*21 - 106*				
2-Fluorobiphenyl	*55*	*29 - 107*				
2,4,6-Tribromophenol	*57*	*44 - 121*				
Terphenyl-d14	*69*	*37 - 120*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0814S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Pyridine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Phenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Aniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Isophorone	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	

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Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0814S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-14-09	8-14-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-14-09	8-14-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-14-09	8-14-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Carbazole	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Benzidine	**ND**	0.33	EPA 8270	8-14-09	8-14-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-14-09	8-14-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-14-09	8-14-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*64*	*19 - 97*				
Phenol-d6	*74*	*22 - 108*				
Nitrobenzene-d5	*74*	*21 - 106*				
2-Fluorobiphenyl	*66*	*29 - 107*				
2,4,6-Tribromophenol	*68*	*44 - 121*				
Terphenyl-d14	*83*	*37 - 120*				

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SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0817S1					
N-Nitrosodimethylamine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Pyridine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Phenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Aniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Chlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Benzyl alcohol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
N-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Hexachloroethane	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Nitrobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Isophorone	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Nitrophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Naphthalene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
4-Chloroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Hexachlorobutadiene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Chloronaphthalene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2-Nitroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Dimethylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Acenaphthylene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
3-Nitroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	

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SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0817S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	8-17-09	8-17-09	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
4-Nitrophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Dibenzofuran	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Diethylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
4-Nitroaniline	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Fluorene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	8-17-09	8-17-09	
N-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Hexachlorobenzene	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Pentachlorophenol	**ND**	0.17	EPA 8270	8-17-09	8-17-09	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Anthracene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Carbazole	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Di-n-butylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Benzidine	**ND**	0.33	EPA 8270	8-17-09	8-17-09	
Pyrene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Butylbenzylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	8-17-09	8-17-09	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Chrysene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	8-17-09	8-17-09	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[k]fluoranthene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	8-17-09	8-17-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*19 - 97*				
Phenol-d6	*43*	*22 - 108*				
Nitrobenzene-d5	*50*	*21 - 106*				
2-Fluorobiphenyl	*39*	*29 - 107*				
2,4,6-Tribromophenol	*37*	*44 - 121*				Q
Terphenyl-d14	*41*	*37 - 120*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
Laboratory ID:	SB0814S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.10**	**1.06**	1.33	1.33	83	80	27 - 100	4	37	
2-Chlorophenol	**0.933**	**0.886**	1.33	1.33	70	67	23 - 104	5	43	
1,4-Dichlorobenzene	**0.404**	**0.386**	0.667	0.667	61	58	23 - 86	5	40	
N-Nitroso-di-n-propylamine	**0.524**	**0.534**	0.667	0.667	79	80	28 - 96	2	37	
1,2,4-Trichlorobenzene	**0.396**	**0.372**	0.667	0.667	59	56	25 - 90	6	40	
4-Chloro-3-methylphenol	**1.12**	**1.13**	1.33	1.33	84	85	44 - 106	1	31	
Acenaphthene	**0.502**	**0.504**	0.667	0.667	75	76	39 - 93	0	28	
4-Nitrophenol	**1.25**	**1.22**	1.33	1.33	94	92	30 - 124	2	31	
2,4-Dinitrotoluene	**0.587**	**0.593**	0.667	0.667	88	89	53 - 109	1	34	
Pentachlorophenol	**1.02**	**1.01**	1.33	1.33	77	76	47 - 122	1	33	
Pyrene	**0.581**	**0.575**	0.667	0.667	87	86	55 - 108	1	29	
Surrogate:										
2-Fluorophenol					*67*	*65*	*19 - 97*			
Phenol-d6					*75*	*72*	*22 - 108*			
Nitrobenzene-d5					*76*	*72*	*21 - 106*			
2-Fluorobiphenyl					*69*	*69*	*29 - 107*			
2,4,6-Tribromophenol					*71*	*71*	*44 - 121*			
Terphenyl-d14					*83*	*82*	*37 - 120*			
Laboratory ID:	SB0817S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.29**	**1.29**	1.33	1.33	97	97	27 - 100	0	37	
2-Chlorophenol	**1.15**	**1.13**	1.33	1.33	86	85	23 - 104	2	43	
1,4-Dichlorobenzene	**0.513**	**0.516**	0.667	0.667	77	77	23 - 86	1	40	
N-Nitroso-di-n-propylamine	**0.644**	**0.642**	0.667	0.667	96	96	28 - 96	0	37	
1,2,4-Trichlorobenzene	**0.462**	**0.472**	0.667	0.667	69	71	25 - 90	2	40	
4-Chloro-3-methylphenol	**1.22**	**1.14**	1.33	1.33	92	86	44 - 106	7	31	
Acenaphthene	**0.565**	**0.530**	0.667	0.667	85	79	39 - 93	6	28	
4-Nitrophenol	**1.31**	**1.31**	1.33	1.33	98	98	30 - 124	0	31	
2,4-Dinitrotoluene	**0.627**	**0.598**	0.667	0.667	94	90	53 - 109	5	34	
Pentachlorophenol	**0.963**	**0.955**	1.33	1.33	72	72	47 - 122	1	33	
Pyrene	**0.566**	**0.546**	0.667	0.667	85	82	55 - 108	4	29	
Surrogate:										
2-Fluorophenol					*83*	*81*	*19 - 97*			
Phenol-d6					*89*	*88*	*22 - 108*			
Nitrobenzene-d5					*97*	*98*	*21 - 106*			
2-Fluorobiphenyl					*79*	*75*	*29 - 107*			
2,4,6-Tribromophenol					*72*	*68*	*44 - 121*			

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Terphenyl-d14	*81*	*77*	*37 - 120*

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-W**					
Laboratory ID:	08-054-03					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-W**					
Laboratory ID:	08-054-03					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.1	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.1	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*37*	*12 - 91*				
Phenol-d6	*30*	*10 - 102*				
Nitrobenzene-d5	*57*	*27 - 115*				
2-Fluorobiphenyl	*60*	*37 - 111*				
2,4,6-Tribromophenol	*78*	*48 - 121*				
Terphenyl-d14	*80*	*47 - 116*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-W**					
Laboratory ID:	08-054-12					
N-Nitrosodimethylamine	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Pyridine	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Phenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Aniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethyl)ether	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Chlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,3-Dichlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,4-Dichlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Benzyl alcohol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,2-Dichlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Methylphenol (o-Cresol)	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroisopropyl)ether	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
N-Nitroso-di-n-propylamine	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Hexachloroethane	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Nitrobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Isophorone	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Nitrophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4-Dimethylphenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
bis(2-Chloroethoxy)methane	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4-Dichlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,2,4-Trichlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Naphthalene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
Hexachlorobutadiene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
4-Chloro-3-methylphenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4,6-Trichlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,3-Dichloroaniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4,5-Trichlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Chloronaphthalene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2-Nitroaniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,4-Dinitrobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Dimethylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,3-Dinitrobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,6-Dinitrotoluene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
1,2-Dinitrobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Acenaphthylene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-W**					
Laboratory ID:	08-054-12					
2,4-Dinitrophenol	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
Acenaphthene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,4-Dinitrotoluene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Dibenzofuran	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,3,5,6-Tetrachlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
2,3,4,6-Tetrachlorophenol	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Diethylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
4-Chlorophenyl-phenylether	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
4-Nitroaniline	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Fluorene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-13-09	
N-Nitrosodiphenylamine	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
1,2-Diphenylhydrazine	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
4-Bromophenyl-phenylether	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Hexachlorobenzene	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-13-09	
Phenanthrene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Di-n-butylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Fluoranthene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
Pyrene	**ND**	0.099	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
bis-2-Ethylhexyladipate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
3,3'-Dichlorobenzidine	**ND**	9.9	EPA 8270	8-11-09	8-13-09	
Benzo[a]anthracene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Di-n-octylphthalate	**ND**	0.99	EPA 8270	8-11-09	8-13-09	
Benzo[b]fluoranthene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.0099	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*39*	*12 - 91*				
Phenol-d6	*34*	*10 - 102*				
Nitrobenzene-d5	*66*	*27 - 115*				
2-Fluorobiphenyl	*69*	*37 - 111*				
2,4,6-Tribromophenol	*81*	*48 - 121*				
Terphenyl-d14	*82*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
N-Nitrosodimethylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pyridine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Phenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Aniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzyl alcohol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
N-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachloroethane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Nitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Isophorone	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Naphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Chloroaniline	**ND**	10	EPA 8270	8-11-09	8-12-09	
Hexachlorobutadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
1-Methylnaphthalene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Chloronaphthalene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dimethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Acenaphthylene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
3-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0811W1					
2,4-Dinitrophenol	**ND**	10	EPA 8270	8-11-09	8-12-09	
Acenaphthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4-Nitrophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Dibenzofuran	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Diethylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Nitroaniline	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluorene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
N-Nitrosodiphenylamine	**ND**	10	EPA 8270	8-11-09	8-12-09	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Hexachlorobenzene	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Pentachlorophenol	**ND**	5.0	EPA 8270	8-11-09	8-12-09	
Phenanthrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Anthracene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Carbazole	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-butylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Fluoranthene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Benzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Pyrene	**ND**	0.10	EPA 8270/SIM	8-11-09	8-12-09	
Butylbenzylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
bis-2-Ethylhexyladipate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
3,3'-Dichlorobenzidine	**ND**	10	EPA 8270	8-11-09	8-12-09	
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Di-n-octylphthalate	**ND**	1.0	EPA 8270	8-11-09	8-12-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270/SIM	8-11-09	8-12-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*32*	*12 - 91*				
Phenol-d6	*29*	*10 - 102*				
Nitrobenzene-d5	*77*	*27 - 115*				
2-Fluorobiphenyl	*69*	*37 - 111*				
2,4,6-Tribromophenol	*56*	*48 - 121*				
Terphenyl-d14	*83*	*47 - 116*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0811W1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.5**	**14.0**	40.0	40.0	39	35	17 - 69	10	34	
2-Chlorophenol	**27.7**	**24.2**	40.0	40.0	69	61	36 - 104	13	36	
1,4-Dichlorobenzene	**12.8**	**10.8**	20.0	20.0	64	54	29 - 90	17	34	
N-Nitroso-di-n-propylamine	**12.3**	**11.3**	20.0	20.0	62	57	34 - 101	8	38	
1,2,4-Trichlorobenzene	**13.2**	**11.9**	20.0	20.0	66	60	30 - 97	10	42	
4-Chloro-3-methylphenol	**30.0**	**29.8**	40.0	40.0	75	75	56 - 106	1	26	
Acenaphthene	**14.5**	**14.2**	20.0	20.0	73	71	46 - 94	2	34	
4-Nitrophenol	**21.1**	**22.8**	40.0	40.0	53	57	17 - 100	8	38	
2,4-Dinitrotoluene	**17.5**	**18.6**	20.0	20.0	88	93	50 - 121	6	18	
Pentachlorophenol	**36.5**	**38.2**	40.0	40.0	91	96	37 - 132	5	32	
Pyrene	**16.9**	**17.8**	20.0	20.0	85	89	65 - 108	5	18	
Surrogate:										
2-Fluorophenol					*47*	*40*	*12 - 91*			
Phenol-d6					*34*	*31*	*10 - 102*			
Nitrobenzene-d5					*69*	*63*	*27 - 115*			
2-Fluorobiphenyl					*68*	*65*	*37 - 111*			
2,4,6-Tribromophenol					*81*	*83*	*48 - 121*			
Terphenyl-d14					*82*	*85*	*47 - 116*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-2**					
Laboratory ID:	08-054-01					
Aroclor 1016	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1221	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1232	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1242	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1248	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1254	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Aroclor 1260	**ND**	0.074	EPA 8082	8-14-09	8-18-09	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*33-122*				
Client ID:	**KM-7-0809-7**					
Laboratory ID:	08-054-02					
Aroclor 1016	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.057	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*33-122*				
Client ID:	**KM-8-0809-2**					
Laboratory ID:	08-054-04					
Aroclor 1016	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1221	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1232	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1242	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1248	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1254	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Aroclor 1260	**ND**	0.065	EPA 8082	8-14-09	8-18-09	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*33-122*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-8-0809-7**					
Laboratory ID:	08-054-05					
Aroclor 1016	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*74*	*33-122*				
Client ID:	**KM-12-0809-2**					
Laboratory ID:	08-054-07					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*91*	*33-122*				
Client ID:	**KM-5-0809-2.5**					
Laboratory ID:	08-054-10					
Aroclor 1016	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.064	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*33-122*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-5-0809-6.5**					
Laboratory ID:	08-054-11					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*33-122*				
Client ID:	**KM-6-0809-2**					
Laboratory ID:	08-054-13					
Aroclor 1016	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.054	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*33-122*				
Client ID:	**KM-6-0809-4**					
Laboratory ID:	08-054-14					
Aroclor 1016	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*33-122*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0814S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-14-09	8-14-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*33-122*				
Laboratory ID:	MB0814S1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1221	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1232	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1242	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1248	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1254	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Aroclor 1260	**ND**	0.050	EPA 8082	8-14-09	8-18-09	X
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*33-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-054-05										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.398**	**0.416**	0.500	0.500	ND	**80**	**83**	24-125	4	18	
Surrogate:											
DCB						*81*	*85*	*33-122*			

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-7-0809-W**					
Laboratory ID:	08-054-03					
Aroclor 1016	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.051	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*39-128*				
Client ID:	**KM-5-0809-W**					
Laboratory ID:	08-054-12					
Aroclor 1016	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.053	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*106*	*39-128*				

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0812W1					
Aroclor 1016	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1221	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1232	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1242	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1248	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1254	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Aroclor 1260	**ND**	0.050	EPA 8082	8-12-09	8-13-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*102*	*39-128*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0812W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.490**	**0.448**	0.500	0.500	N/A	**98**	**90**	58-113	9	11	
Surrogate:											
DCB						*103*	*96*	*39-128*			

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-01
Client ID: **KM-7-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	15
Barium	6010B	**75**	3.7
Cadmium	6010B	**ND**	0.74
Chromium	6010B	**32**	0.74
Lead	6010B	**24**	7.4
Mercury	7471A	**ND**	0.37
Selenium	6010B	**ND**	15
Silver	6010B	**ND**	0.74

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-02
Client ID: **KM-7-0809-7**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**41**	2.9
Cadmium	6010B	**ND**	0.57
Chromium	6010B	**8.0**	0.57
Lead	6010B	**ND**	5.7
Mercury	7471A	**ND**	0.29
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.57

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-04
Client ID: **KM-8-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	13
Barium	6010B	**61**	3.2
Cadmium	6010B	**ND**	0.65
Chromium	6010B	**20**	0.65
Lead	6010B	**12**	6.5
Mercury	7471A	**ND**	0.32
Selenium	6010B	**ND**	13
Silver	6010B	**ND**	0.65

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-05
Client ID: **KM-8-0809-7**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**28**	2.7
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**7.4**	0.54
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-07
Client ID: **KM-12-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**16**	2.6
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**7.0**	0.53
Lead	6010B	**ND**	5.3
Mercury	7471A	**ND**	0.26
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10
Client ID: **KM-5-0809-2.5**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	13
Barium	6010B	**24**	3.2
Cadmium	6010B	**ND**	0.64
Chromium	6010B	**6.1**	0.64
Lead	6010B	**ND**	6.4
Mercury	7471A	**ND**	0.32
Selenium	6010B	**ND**	13
Silver	6010B	**ND**	0.64

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-11
Client ID: **KM-5-0809-6.5**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**20**	2.6
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**6.3**	0.53
Lead	6010B	**ND**	5.3
Mercury	7471A	**ND**	0.26
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-13
Client ID: **KM-6-0809-2**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**37**	2.7
Cadmium	6010B	**ND**	0.54
Chromium	6010B	**10**	0.54
Lead	6010B	**ND**	5.4
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.54

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-14
Client ID: **KM-6-0809-4**

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	11
Barium	6010B	**26**	2.7
Cadmium	6010B	**ND**	0.53
Chromium	6010B	**8.4**	0.53
Lead	6010B	**ND**	5.3
Mercury	7471A	**ND**	0.27
Selenium	6010B	**ND**	11
Silver	6010B	**ND**	0.53

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-11&17-09
Date Analyzed:	8-11&18-09
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0811S2&MB0817S2

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Mercury	7471A	**ND**	0.25
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**19.0**	**19.1**	0	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**4.74**	**5.40**	13	0.50	
Lead	**ND**	**ND**	NA	5.0	
Mercury	**ND**	**ND**	NA	0.25	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 6010B/7471A
MS/MSD QUALITY CONTROL

Date Extracted: 8-11&17-09
Date Analyzed: 8-11&18-09

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 08-054-10

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**94.6**	95	**91.9**	92	3	
Barium	100	**114**	95	**113**	94	1	
Cadmium	50	**47.8**	96	**46.7**	93	2	
Chromium	100	**101**	96	**99.0**	94	2	
Lead	250	**244**	98	**239**	95	2	
Mercury	0.50	**0.466**	93	**0.448**	90	4	
Selenium	100	**94.7**	95	**88.8**	89	6	
Silver	25	**23.2**	93	**21.9**	88	6	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-054-03
Client ID: KM-7-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-054-12
Client ID: KM-5-0809-W

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A
METHOD BLANK QUALITY CONTROL

Date Extracted:	8-10&13-09
Date Analyzed:	8-10&13-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0810W1&MB0813W1

Analyte	Method	Result	PQL
Arsenic	200.8	**ND**	3.3
Barium	200.8	**ND**	28
Cadmium	200.8	**ND**	4.4
Chromium	200.8	**ND**	11
Lead	200.8	**ND**	1.1
Mercury	7470A	**ND**	0.50
Selenium	200.8	**ND**	5.6
Silver	200.8	**ND**	11

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A
DUPLICATE QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	3.3	
Barium	**ND**	**ND**	NA	28	
Cadmium	**ND**	**ND**	NA	4.4	
Chromium	**ND**	**ND**	NA	11	
Lead	**ND**	**ND**	NA	1.1	
Mercury	**ND**	**ND**	NA	0.50	
Selenium	**ND**	**ND**	NA	5.6	
Silver	**ND**	**ND**	NA	11	

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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054
Project: 14697

TOTAL METALS
EPA 200.8/7470A
MS/MSD QUALITY CONTROL

Date Extracted: 8-10&13-09
Date Analyzed: 8-10&13-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 08-035-09

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	110	**111**	101	**114**	104	3	
Barium	110	**116**	105	**121**	110	5	
Cadmium	110	**113**	103	**116**	105	2	
Chromium	110	**107**	97	**109**	99	2	
Lead	110	**109**	99	**116**	105	6	
Mercury	12.5	**10.8**	86	**10.5**	84	3	
Selenium	110	**112**	102	**116**	105	3	
Silver	110	**107**	97	**116**	106	8	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: August 24, 2009
Samples Submitted: August 8, 2009
Lab Traveler: 0908-054
Project: 14697

% MOISTURE

Date Analyzed: 8-10-09

Client ID	Lab ID	% Moisture
KM-7-0809-2	08-054-01	32
KM-7-0809-7	08-054-02	13
KM-8-0809-2	08-054-04	23
KM-8-0809-7	08-054-05	8
KM-12-0809-2	08-054-07	5
KM-5-0809-2.5	08-054-10	22
KM-5-0809-6.5	08-054-11	5
KM-6-0809-2	08-054-13	7
KM-6-0809-4	08-054-14	6

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical gas.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z1 - The chromatogram is similar to gas with mineral spirits.

Z2 - The chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 2

OnSite Environmental Inc.

Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec Geomatrix
Project Number: 14697
Project Name: Kelly Moore Phase II
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-054

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664						1-10LD	% Moisture
1	KM-7-0809-2	8/7/09	710	S	6		X	X	X		X		X			X									X
2	KM-7-0809-7		715	S	6		⊗	⊗	⊗		⊗		⊗			⊗								X	⊗
3	KM-7-0809-W		755	W	12		⊗	⊗	⊗		⊗		⊗			⊗								X	⊗
4	KM-8-0809-2		~~835~~ 855 CB	S	6		X	X	X		X		X			X									X
5	KM-8-0809-7		905	S	6		⊗	⊗	⊗		⊗		⊗			⊗								X	⊗
6	KM-8-0809-W		925	W	12		X	X	X		X		X			X								X	
7	KM-12-0809-2		1100	S	6		X	X	X		X		X			X									X
8	KM-12-0809-5		1115	S	6		X	X	X		X		X			X								⊗	X
9	KM-12-0809-W		1145	W	12		X	X	X		X		X			X								⊗	
10	KM-5-0809-25		1320	S	6		X	X	X		X		X			X									X

	Signature	Company	Date	Time
Relinquished by		Amec Geomatrix	8/8/09	1030
Received by		OSHo En	8/8/09	1030
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions

*Hold - ~~KM-7-0809-7~~ ~~KM-7-0809-W~~ ~~KM-8-0809-7~~ KM-8-0809-W) cancelled DB

⊗ Added 8/10/09. DB.

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

OnSite Environmental Inc.
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: Amec GMX
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tasya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 08-054

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	H2O	% Moisture
11	KM-5-0809-6.5	8/7/09	1330	S	6		X	X	X		X		X			X			X	X
12	KM-5-0809-W		1406	W	12		X	X	X		X		X			X				
13	KM-6-0809-2		1525	S	6		X	X	X		X		X			X				X
14	KM-6-0809-4		1535	S	6		X	X	X		X		X			X			X	X
15	KM-6-0809-W	↓	1610	W	12		X	X	X		X		X			X			X	

	Signature	Company	Date	Time
Relinquished by		Amec Geomatrix	8/8/09	1030
Received by		OnSite Env	8/8/09	1030
Relinquished by				
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:
* Hold KM-5-0809-6.5 ~~KM-5-0809-6.5~~ Correct
KM-6-0809-4
KM-6-0809-W
☒ Requested 8/10/09. DD

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 28, 2009

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0908-054B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on August 8, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

Case Narrative

Samples were collected on August 7, 2009, and received by the laboratory on August 8, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Volatiles EPA 8260B Analysis

The analysis holding time for sample KM-8-0809-W was exceeded by seven days.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted:	8-28-09
Date Analyzed:	8-28-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	08-054-06
Client ID:	**KM-8-0809-W**

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 08-054-06
Client ID: KM-8-0809-W

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND	J	0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	18		0.20
m,p-Xylene	25		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	0.22		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	0.26		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	0.28		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.77		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	71-126
Toluene-d8	93	76-116
4-Bromofluorobenzene	89	70-123

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted:	8-28-09
Date Analyzed:	8-28-09
Matrix:	Water
Units:	ug/L (ppb)
Lab ID:	MB0828W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0828W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	71-126
Toluene-d8	93	76-116
4-Bromofluorobenzene	80	70-123

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 28, 2009
Samples Submitted: August 8, 2009
Laboratory Reference: 0908-054B
Project: 14697

VOLATILES by EPA 8260B
SB/SBD QUALITY CONTROL

Date Extracted: 8-28-09
Date Analyzed: 8-28-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: SB0828W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	12.7	127	12.4	124	70-130	
Benzene	10.0	12.2	122	12.1	121	70-130	
Trichloroethene	10.0	10.6	106	10.1	101	70-123	
Toluene	10.0	11.6	116	11.4	114	77-120	
Chlorobenzene	10.0	9.84	98	9.71	97	73-115	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2	21	
Benzene	1	18	
Trichloroethene	5	18	
Toluene	2	17	
Chlorobenzene	1	18	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 5, 2010

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0912-170

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on December 23, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

Case Narrative

Samples were collected on December 23, 2009, and received by the laboratory on December 23, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-17-W-1209**					
Laboratory ID:	12-170-06					
Gasoline	**ND**	100	NWTPH-Gx	12-29-09	12-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*95*	*74-121*				
Client ID:	**KM-19-W-1209**					
Laboratory ID:	12-170-09					
Gasoline	**710**	100	NWTPH-Gx	12-29-09	12-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*74-121*				
Client ID:	**KM-20-W-1209**					
Laboratory ID:	12-170-12					
Gasoline	**ND**	400	NWTPH-Gx	12-29-09	12-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*74-121*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1229W2					
Gasoline	**ND**	100	NWTPH-Gx	12-29-09	12-29-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*97*	*74-121*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-165-01									
	ORIG	DUP								
Gasoline	**ND**	**ND**	NA	NA	NA		NA	NA	30	
Surrogate:										
Fluorobenzene					*95*	*95*	*74-121*			

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-06
Client ID: KM-17-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	0.27		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	0.23		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	0.77		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	11		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	0.37		0.20
1,1,1-Trichloroethane	0.33		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	0.28		0.20
Trichloroethene	9.0		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 12-170-06
Client ID: KM-17-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	100	71-126
Toluene-d8	88	76-116
4-Bromofluorobenzene	85	70-123

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-09
Client ID: KM-19-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
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Lab ID: 12-170-09
Client ID: KM-19-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	18		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	34		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	0.79		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	13		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	5.5		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	71-126
Toluene-d8	94	76-116
4-Bromofluorobenzene	91	70-123

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
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VOLATILES by EPA 8260B
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Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-12
Client ID: KM-20-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	1.1		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

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Page 2 of 2

Lab ID: 12-170-12
Client ID: KM-20-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	12		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	16		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	0.69		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	6.4		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	0.91		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	93	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	81	70-123

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB1230W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB1230W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	71-126
Toluene-d8	83	76-116
4-Bromofluorobenzene	77	70-123

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 12-30-09
Date Analyzed: 12-30-09

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-06

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	10.0	12.0	120	11.5	115	70-130	
Benzene	ND	10.0	10.8	108	11.0	110	81-125	
Trichloroethene	8.98	10.0	18.6	96	18.4	94	79-116	
Toluene	ND	10.0	9.63	96	9.57	96	88-118	
Chlorobenzene	ND	10.0	10.2	102	10.1	101	75-121	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	4	22	
Benzene	2	11	
Trichloroethene	1	11	
Toluene	1	14	
Chlorobenzene	0	14	

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

cPAHs by EPA 8270D/SIM

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-17-W-1209**					
Laboratory ID:	12-170-06					
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Chrysene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*76*	*35 - 100*				
Pyrene-d10	*87*	*27 - 108*				
Terphenyl-d14	*80*	*36 - 125*				
Client ID:	**KM-19-W-1209**					
Laboratory ID:	12-170-09					
Benzo[a]anthracene	**0.0098**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Chrysene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*69*	*35 - 100*				
Pyrene-d10	*81*	*27 - 108*				
Terphenyl-d14	*73*	*36 - 125*				
Client ID:	**KM-20-W-1209**					
Laboratory ID:	12-172-12					
Benzo[a]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Chrysene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[b]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[k]fluoranthene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[a]pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Dibenz[a,h]anthracene	**ND**	0.0097	EPA 8270/SIM	12-28-09	12-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*35 - 100*				
Pyrene-d10	*81*	*27 - 108*				
Terphenyl-d14	*75*	*36 - 125*				

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Date of Report: January 5, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170
Project: 14697

cPAHs by EPA 8270D/SIM
QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1228W1					
Benzo[a]anthracene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Chrysene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[k]fluoranthene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Benzo[a]pyrene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Indeno(1,2,3-c,d)pyrene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270/SIM	12-28-09	12-28-09	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*72*	*35 - 100*				
Pyrene-d10	*79*	*27 - 108*				
Terphenyl-d14	*67*	*36 - 125*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1228W1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.335**	**0.375**	0.500	0.500	67	75	35 - 111	11	30	
Acenaphthylene	**0.380**	**0.481**	0.500	0.500	76	96	30 - 109	23	30	
Acenaphthene	**0.361**	**0.415**	0.500	0.500	72	83	46 - 101	14	29	
Fluorene	**0.407**	**0.466**	0.500	0.500	81	93	50 - 104	14	25	
Phenanthrene	**0.356**	**0.425**	0.500	0.500	71	85	55 - 97	18	23	
Anthracene	**0.406**	**0.486**	0.500	0.500	81	97	49 - 101	18	32	
Fluoranthene	**0.395**	**0.477**	0.500	0.500	79	95	59 - 102	19	23	
Pyrene	**0.390**	**0.471**	0.500	0.500	78	94	62 - 104	19	22	
Benzo[a]anthracene	**0.337**	**0.418**	0.500	0.500	67	84	57 - 100	21	25	
Chrysene	**0.333**	**0.413**	0.500	0.500	67	83	58 - 103	21	25	
Benzo[b]fluoranthene	**0.378**	**0.465**	0.500	0.500	76	93	61 - 100	21	27	
Benzo[k]fluoranthene	**0.372**	**0.451**	0.500	0.500	74	90	53 - 103	19	30	
Benzo[a]pyrene	**0.376**	**0.461**	0.500	0.500	75	92	35 - 107	20	32	
Indeno(1,2,3-c,d)pyrene	**0.303**	**0.363**	0.500	0.500	61	73	47 - 105	18	34	
Dibenz[a,h]anthracene	**0.303**	**0.361**	0.500	0.500	61	72	39 - 108	17	33	
Benzo[g,h,i]perylene	**0.306**	**0.353**	0.500	0.500	61	71	41 - 104	14	40	
Surrogate:										
2-Fluorobiphenyl					*69*	*79*	*35 - 100*			
Pyrene-d10					*82*	*99*	*27 - 108*			
Terphenyl-d14					*69*	*86*	*36 - 125*			

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec-Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Josya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 12-170

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	cPAHs	HOLD					% Moisture
1	KM-17-2-1209	12/23/09	900	S	11		X		X										X	X					
2	KM-17-8-1209		905	S	5		X		X										X	X					
3	KM-18-4-1209		1100	S	5		X		X										X	X					
4	KM-18-8-1209		1105	S	5		X		X										X	X					
5	KM-18-W-1209		1130	W	7		X		X										X	X					
6	KM-17-W-1209		945	W	14		X		X										X						
7	KM-19-4-1209		1220	S	5		X		X										X	X					
8	KM-19-6.5-1209		1225	S	5		X		X										X	X					
9	KM-19-W-1209		1315	W	7		X		X										X						
10	KM-20-3-1209	↓	1330	S	5		X		X										X	X					

	Signature	Company	Date	Time
Relinquished by		Amec	12/23/09	1650
Received by				1650
Relinquished by				
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:
KM-17-2-1209 & KM-17-W-1209 volume for MS/MSD
See HOLDS

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec-Geomatrix
Project Number: 14697
Project Name: Tasya Gray
Project Manager: Kelly Moore
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 12-170

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	cPAHs	HOLD					% Moisture
11	KM-20-7-1209	12/23/09	1335	S	5		X		X										X	X					
12	KM-20-W-1209		1415	W	7		X		X										X	X					
13	KM-21-3-1209		1445	S	5		X		X										X	X					
14	KM-21-7-1209		1450	S	5		X		X										X	X					
15	KM-21-W-1209	↓	1530	W	7		X		X										X	X					
																				CB					

	Signature	Company	Date	Time	Comments/Special Instructions:
Relinquished by	Chris Brown	Amec	12/23/09	1650	SEE HOLDS
Received by			12/23/09	1650	
Relinquished by					
Received by					
Relinquished by					
Received by					
Reviewed by/Date		Reviewed by/Date			Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Client Copy

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 11, 2010

Tasya Gray
AMEC Geomatrix Consultants, Inc.
One Union Square
600 University Street, Suite 1020
Seattle, WA 98101

Re: Analytical Data for Project 14697
Laboratory Reference No. 0912-170B

Dear Tasya:

Enclosed are the analytical results and associated quality control data for samples submitted on December 23, 2009.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

Case Narrative

Samples were collected on December 23, 2009, and received by the laboratory on December 23, 2009. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx (soil) Analysis

The sample chromatograms for KM-19-4-1209 and KM-19-6.5-1209 are similar to mineral spirits.

Volatiles (soil) EPA 8260B Analysis

Some MTCA Method A cleanup levels are non-achievable for samples KM-19-4-1209 and KM-19-6.5-1209 due to the necessary dilution of the samples.

The holding times for samples KM-17-2-1209, KM-17-8-1209, KM-19-4-1209, KM-19-6.5-1209, KM-20-3-1209, and KM-20-7-1209 were exceeded by up to 6 hours.

Please note that any other QA/QC issues associated with these analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-19-4-1209**					
Laboratory ID:	12-170-07					
Gasoline	**430**	9.9	NWTPH-Gx	1-6-10	1-6-10	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*102*	*53-126*				
Client ID:	**KM-19-6.5-1209**					
Laboratory ID:	12-170-08					
Gasoline	**8200**	130	NWTPH-Gx	1-6-10	1-6-10	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*58*	*53-126*				

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0106S1					
Gasoline	**ND**	5.0	NWTPH-Gx	1-6-10	1-6-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*78*	*53-126*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-170-07									
	ORIG	DUP								
Gasoline	**431**	**413**	NA	NA	NA		NA	4	30	
Surrogate:										
Fluorobenzene					*102*	*90*	*53-126*			

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**KM-21-W-1209**					
Laboratory ID:	12-170-15					
Gasoline	**ND**	100	NWTPH-Gx	1-6-10	1-6-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*74-121*				

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0106W1					
Gasoline	**ND**	100	NWTPH-Gx	1-6-10	1-6-10	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*74-121*				

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	12-170-15									
	ORIG	DUP								
Gasoline	**ND**	**ND**	NA	NA	NA		NA	NA	30	
Surrogate:										
Fluorobenzene					*84*	*80*	*74-121*			

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-01
Client ID: KM-17-2-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0058
Vinyl Chloride	ND		0.0058
Bromomethane	ND		0.0012
Chloroethane	ND		0.0058
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0058
Iodomethane	ND		0.0058
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0058
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0058
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0058
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0058
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0058
Toluene	ND		0.0058
(trans) 1,3-Dichloropropene	ND		0.0012

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 12-170-01
Client ID: KM-17-2-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0058
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0023
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0058
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0058
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	55-125
Toluene-d8	94	56-127

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-02
Client ID: KM-17-8-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0015
Chloromethane	ND		0.0077
Vinyl Chloride	ND		0.0077
Bromomethane	ND		0.0015
Chloroethane	ND		0.0077
Trichlorofluoromethane	ND		0.0015
1,1-Dichloroethene	ND		0.0015
Acetone	ND		0.0077
Iodomethane	ND		0.0077
Carbon Disulfide	ND		0.0015
Methylene Chloride	ND		0.0077
(trans) 1,2-Dichloroethene	ND		0.0015
Methyl t-Butyl Ether	ND		0.0015
1,1-Dichloroethane	ND		0.0015
Vinyl Acetate	ND		0.0077
2,2-Dichloropropane	ND		0.0015
(cis) 1,2-Dichloroethene	ND		0.0015
2-Butanone	ND		0.0077
Bromochloromethane	ND		0.0015
Chloroform	ND		0.0015
1,1,1-Trichloroethane	ND		0.0015
Carbon Tetrachloride	ND		0.0015
1,1-Dichloropropene	ND		0.0015
Benzene	ND		0.0015
1,2-Dichloroethane	ND		0.0015
Trichloroethene	ND		0.0015
1,2-Dichloropropane	ND		0.0015
Dibromomethane	ND		0.0015
Bromodichloromethane	ND		0.0015
2-Chloroethyl Vinyl Ether	ND		0.0077
(cis) 1,3-Dichloropropene	ND		0.0015
Methyl Isobutyl Ketone	ND		0.0077
Toluene	ND		0.0077
(trans) 1,3-Dichloropropene	ND		0.0015

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 12-170-02
Client ID: KM-17-8-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0015
Tetrachloroethene	ND		0.0015
1,3-Dichloropropane	ND		0.0015
2-Hexanone	ND		0.0077
Dibromochloromethane	ND		0.0015
1,2-Dibromoethane	ND		0.0015
Chlorobenzene	ND		0.0015
1,1,1,2-Tetrachloroethane	ND		0.0015
Ethylbenzene	ND		0.0015
m,p-Xylene	ND		0.0031
o-Xylene	ND		0.0015
Styrene	ND		0.0015
Bromoform	ND		0.0015
Isopropylbenzene	ND		0.0015
Bromobenzene	ND		0.0015
1,1,2,2-Tetrachloroethane	ND		0.0015
1,2,3-Trichloropropane	ND		0.0015
n-Propylbenzene	ND		0.0015
2-Chlorotoluene	ND		0.0015
4-Chlorotoluene	ND		0.0015
1,3,5-Trimethylbenzene	ND		0.0015
tert-Butylbenzene	ND		0.0015
1,2,4-Trimethylbenzene	ND		0.0015
sec-Butylbenzene	ND		0.0015
1,3-Dichlorobenzene	ND		0.0015
p-Isopropyltoluene	ND		0.0015
1,4-Dichlorobenzene	ND		0.0015
1,2-Dichlorobenzene	ND		0.0015
n-Butylbenzene	ND		0.0015
1,2-Dibromo-3-chloropropane	ND		0.0077
1,2,4-Trichlorobenzene	ND		0.0015
Hexachlorobutadiene	ND		0.0077
Naphthalene	ND		0.0015
1,2,3-Trichlorobenzene	ND		0.0015

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	90	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	74	54-130

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-07
Client ID: KM-19-4-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.087
Chloromethane	ND		0.43
Vinyl Chloride	ND		0.43
Bromomethane	ND		0.087
Chloroethane	ND		0.43
Trichlorofluoromethane	ND		0.087
1,1-Dichloroethene	ND		0.087
Acetone	ND		0.43
Iodomethane	ND		0.43
Carbon Disulfide	ND		0.087
Methylene Chloride	ND		0.43
(trans) 1,2-Dichloroethene	ND		0.087
Methyl t-Butyl Ether	ND		0.087
1,1-Dichloroethane	ND		0.087
Vinyl Acetate	ND		0.43
2,2-Dichloropropane	ND		0.087
(cis) 1,2-Dichloroethene	ND		0.087
2-Butanone	ND		0.43
Bromochloromethane	ND		0.087
Chloroform	ND		0.087
1,1,1-Trichloroethane	ND		0.087
Carbon Tetrachloride	ND		0.087
1,1-Dichloropropene	ND		0.087
Benzene	ND		0.087
1,2-Dichloroethane	ND		0.087
Trichloroethene	ND		0.087
1,2-Dichloropropane	ND		0.087
Dibromomethane	ND		0.087
Bromodichloromethane	ND		0.087
2-Chloroethyl Vinyl Ether	ND		0.43
(cis) 1,3-Dichloropropene	ND		0.087
Methyl Isobutyl Ketone	ND		0.43
Toluene	ND		0.43
(trans) 1,3-Dichloropropene	ND		0.087

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 2 of 2

Lab ID: 12-170-07
Client ID: KM-19-4-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.087
Tetrachloroethene	ND		0.087
1,3-Dichloropropane	ND		0.087
2-Hexanone	ND		0.43
Dibromochloromethane	ND		0.087
1,2-Dibromoethane	ND		0.087
Chlorobenzene	ND		0.087
1,1,1,2-Tetrachloroethane	ND		0.087
Ethylbenzene	ND		0.087
m,p-Xylene	ND		0.17
o-Xylene	ND		0.087
Styrene	ND		0.087
Bromoform	ND		0.087
Isopropylbenzene	ND		0.087
Bromobenzene	ND		0.087
1,1,2,2-Tetrachloroethane	ND		0.087
1,2,3-Trichloropropane	ND		0.087
n-Propylbenzene	ND		0.087
2-Chlorotoluene	ND		0.087
4-Chlorotoluene	ND		0.087
1,3,5-Trimethylbenzene	ND		0.087
tert-Butylbenzene	ND		0.087
1,2,4-Trimethylbenzene	ND		0.087
sec-Butylbenzene	ND		0.087
1,3-Dichlorobenzene	ND		0.087
p-Isopropyltoluene	ND		0.087
1,4-Dichlorobenzene	ND		0.087
1,2-Dichlorobenzene	ND		0.087
n-Butylbenzene	ND		0.087
1,2-Dibromo-3-chloropropane	ND		0.43
1,2,4-Trichlorobenzene	ND		0.087
Hexachlorobutadiene	ND		0.43
Naphthalene	ND		0.087
1,2,3-Trichlorobenzene	ND		0.087

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	55-125
Toluene-d8	95	56-127
4-Bromofluorobenzene	85	54-130

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-08
Client ID: KM-19-6.5-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.33
Chloromethane	ND		1.6
Vinyl Chloride	ND		1.6
Bromomethane	ND		0.33
Chloroethane	ND		1.6
Trichlorofluoromethane	ND		0.33
1,1-Dichloroethene	ND		0.33
Acetone	ND		1.6
Iodomethane	ND		1.6
Carbon Disulfide	ND		0.33
Methylene Chloride	ND		1.6
(trans) 1,2-Dichloroethene	ND		0.33
Methyl t-Butyl Ether	ND		0.33
1,1-Dichloroethane	ND		0.33
Vinyl Acetate	ND		1.6
2,2-Dichloropropane	ND		0.33
(cis) 1,2-Dichloroethene	ND		0.33
2-Butanone	ND		1.6
Bromochloromethane	ND		0.33
Chloroform	ND		0.33
1,1,1-Trichloroethane	ND		0.33
Carbon Tetrachloride	ND		0.33
1,1-Dichloropropene	ND		0.33
Benzene	ND		0.33
1,2-Dichloroethane	ND		0.33
Trichloroethene	ND		0.33
1,2-Dichloropropane	ND		0.33
Dibromomethane	ND		0.33
Bromodichloromethane	ND		0.33
2-Chloroethyl Vinyl Ether	ND		1.6
(cis) 1,3-Dichloropropene	ND		0.33
Methyl Isobutyl Ketone	ND		1.6
Toluene	ND		1.6
(trans) 1,3-Dichloropropene	ND		0.33

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
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Project: 14697

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Lab ID: 12-170-08
Client ID: KM-19-6.5-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.33
Tetrachloroethene	ND		0.33
1,3-Dichloropropane	ND		0.33
2-Hexanone	ND		1.6
Dibromochloromethane	ND		0.33
1,2-Dibromoethane	ND		0.33
Chlorobenzene	ND		0.33
1,1,1,2-Tetrachloroethane	ND		0.33
Ethylbenzene	ND		0.33
m,p-Xylene	ND		0.66
o-Xylene	ND		0.33
Styrene	ND		0.33
Bromoform	ND		0.33
Isopropylbenzene	22		0.33
Bromobenzene	ND		0.33
1,1,2,2-Tetrachloroethane	ND		0.33
1,2,3-Trichloropropane	ND		0.33
n-Propylbenzene	57		0.33
2-Chlorotoluene	ND		0.33
4-Chlorotoluene	ND		0.33
1,3,5-Trimethylbenzene	ND		0.33
tert-Butylbenzene	2.0		0.33
1,2,4-Trimethylbenzene	ND		0.33
sec-Butylbenzene	38		0.33
1,3-Dichlorobenzene	ND		0.33
p-Isopropyltoluene	ND		0.33
1,4-Dichlorobenzene	ND		0.33
1,2-Dichlorobenzene	ND		0.33
n-Butylbenzene	29		0.33
1,2-Dibromo-3-chloropropane	ND		1.6
1,2,4-Trichlorobenzene	ND		0.33
Hexachlorobutadiene	ND		1.6
Naphthalene	ND		0.33
1,2,3-Trichlorobenzene	ND		0.33

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	95	55-125
Toluene-d8	96	56-127
4-Bromofluorobenzene	91	54-130

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-10
Client ID: KM-20-3-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0061
Vinyl Chloride	ND		0.0061
Bromomethane	ND		0.0012
Chloroethane	ND		0.0061
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0061
Iodomethane	ND		0.0061
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0061
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0061
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0061
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0061
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0061
Toluene	ND		0.0061
(trans) 1,3-Dichloropropene	ND		0.0012

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Samples Submitted: December 23, 2009
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Lab ID: 12-170-10
Client ID: KM-20-3-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0061
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0025
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0061
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0061
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	112	55-125
Toluene-d8	90	56-127
4-Bromofluorobenzene	70	54-130

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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-11
Client ID: KM-20-7-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0012
Chloromethane	ND		0.0060
Vinyl Chloride	ND		0.0060
Bromomethane	ND		0.0012
Chloroethane	ND		0.0060
Trichlorofluoromethane	ND		0.0012
1,1-Dichloroethene	ND		0.0012
Acetone	ND		0.0060
Iodomethane	ND		0.0060
Carbon Disulfide	ND		0.0012
Methylene Chloride	ND		0.0060
(trans) 1,2-Dichloroethene	ND		0.0012
Methyl t-Butyl Ether	ND		0.0012
1,1-Dichloroethane	ND		0.0012
Vinyl Acetate	ND		0.0060
2,2-Dichloropropane	ND		0.0012
(cis) 1,2-Dichloroethene	ND		0.0012
2-Butanone	ND		0.0060
Bromochloromethane	ND		0.0012
Chloroform	ND		0.0012
1,1,1-Trichloroethane	ND		0.0012
Carbon Tetrachloride	ND		0.0012
1,1-Dichloropropene	ND		0.0012
Benzene	ND		0.0012
1,2-Dichloroethane	ND		0.0012
Trichloroethene	ND		0.0012
1,2-Dichloropropane	ND		0.0012
Dibromomethane	ND		0.0012
Bromodichloromethane	ND		0.0012
2-Chloroethyl Vinyl Ether	ND		0.0060
(cis) 1,3-Dichloropropene	ND		0.0012
Methyl Isobutyl Ketone	ND		0.0060
Toluene	ND		0.0060
(trans) 1,3-Dichloropropene	ND		0.0012

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Lab ID: 12-170-11
Client ID: KM-20-7-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0012
Tetrachloroethene	ND		0.0012
1,3-Dichloropropane	ND		0.0012
2-Hexanone	ND		0.0060
Dibromochloromethane	ND		0.0012
1,2-Dibromoethane	ND		0.0012
Chlorobenzene	ND		0.0012
1,1,1,2-Tetrachloroethane	ND		0.0012
Ethylbenzene	ND		0.0012
m,p-Xylene	ND		0.0024
o-Xylene	ND		0.0012
Styrene	ND		0.0012
Bromoform	ND		0.0012
Isopropylbenzene	ND		0.0012
Bromobenzene	ND		0.0012
1,1,2,2-Tetrachloroethane	ND		0.0012
1,2,3-Trichloropropane	ND		0.0012
n-Propylbenzene	ND		0.0012
2-Chlorotoluene	ND		0.0012
4-Chlorotoluene	ND		0.0012
1,3,5-Trimethylbenzene	ND		0.0012
tert-Butylbenzene	ND		0.0012
1,2,4-Trimethylbenzene	ND		0.0012
sec-Butylbenzene	ND		0.0012
1,3-Dichlorobenzene	ND		0.0012
p-Isopropyltoluene	ND		0.0012
1,4-Dichlorobenzene	ND		0.0012
1,2-Dichlorobenzene	ND		0.0012
n-Butylbenzene	ND		0.0012
1,2-Dibromo-3-chloropropane	ND		0.0060
1,2,4-Trichlorobenzene	ND		0.0012
Hexachlorobutadiene	ND		0.0060
Naphthalene	ND		0.0012
1,2,3-Trichlorobenzene	ND		0.0012

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	107	55-125
Toluene-d8	93	56-127
4-Bromofluorobenzene	79	54-130

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Samples Submitted: December 23, 2009
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Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0106S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0050
Vinyl Chloride	ND		0.0050
Bromomethane	ND		0.0010
Chloroethane	ND		0.0050
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0050
(trans) 1,3-Dichloropropene	ND		0.0010

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VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
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Lab ID: MB0106S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	96	55-125
Toluene-d8	99	56-127
4-Bromofluorobenzene	79	54-130

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 12-170-01

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	0.0691/0.0617	0.0548	79	0.0538	87	70-130	
Benzene	ND	0.0691/0.0617	0.0639	92	0.0628	102	70-130	
Trichloroethene	ND	0.0691/0.0617	0.0634	92	0.0617	100	70-124	
Toluene	ND	0.0691/0.0617	0.0654	95	0.0632	102	70-130	
Chlorobenzene	ND	0.0691/0.0617	0.0764	111	0.0614	100	72-127	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	9	14	
Benzene	10	17	
Trichloroethene	9	13	
Toluene	8	16	
Chlorobenzene	11	15	

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Date of Report: January 11, 2010
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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-05
Client ID: KM-18-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Lab ID: 12-170-05
Client ID: KM-18-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	0.61		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	0.96		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	160		10
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	85	71-126
Toluene-d8	87	76-116
4-Bromofluorobenzene	82	70-123

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Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-15
Client ID: KM-21-W-1209

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Lab ID: 12-170-15
Client ID: KM-21-W-1209

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	94	71-126
Toluene-d8	89	76-116
4-Bromofluorobenzene	90	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 1 of 2

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: MB0106W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		1.0
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		1.0
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		2.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		1.0
(trans) 1,3-Dichloropropene	ND		0.20

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Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
Page 2 of 2

Lab ID: MB0106W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	92	71-126
Toluene-d8	84	76-116
4-Bromofluorobenzene	86	70-123

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

VOLATILES by EPA 8260B
MS/MSD QUALITY CONTROL

Date Extracted: 1-6-10
Date Analyzed: 1-6-10

Matrix: Water
Units: ug/L (ppb)

Lab ID: 12-170-15

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	10.0	10.1	101	10.2	102	70-130	
Benzene	ND	10.0	10.2	102	10.4	104	81-125	
Trichloroethene	ND	10.0	9.85	99	9.38	94	79-116	
Toluene	ND	10.0	10.0	100	9.81	98	88-118	
Chlorobenzene	ND	10.0	10.1	101	10.0	100	75-121	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1	22	
Benzene	2	11	
Trichloroethene	5	11	
Toluene	2	14	
Chlorobenzene	1	14	

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 11, 2010
Samples Submitted: December 23, 2009
Laboratory Reference: 0912-170B
Project: 14697

% MOISTURE

Date Analyzed: 1-7-10

Client ID	Lab ID	% Moisture
KM-17-2-1209	12-170-01	7
KM-17-8-1209	12-170-02	19
KM-19-4-1209	12-170-07	30
KM-19-6.5-1209	12-170-08	13
KM-20-3-1209	12-170-10	18
KM-20-7-1209	12-170-11	17

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in the diesel range are impacting the lube oil range result.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec-Geomatrix
Project Number: 14697
Project Name: Kelly Moore
Project Manager: Tosya Gray
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 12-170

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	cPAHs	HOLD				% Moisture
1	KM-17-2-1209	12/23/09	900	S	11		X	X	⊗									X	X	NO DB				⊗
2	KM-17-8-1209		905	S	5		X	X	⊗									X	X	NO DB				⊗
3	KM-18-4-1209		1100	S	5		X	X	X									X	X					
4	KM-18-8-1209		1105	S	5		X	X	X									X	X					
5	KM-18-W-1209		1130	W	7		X	X	⊗									X	X	NO DB				
6	KM-17-W-1209		945	W	14		X	X	X									X						
7	KM-19-4-1209		1220	S	5		⊗	⊗	⊗									X	X	NO				⊗
8	KM-19-6.5-1209		1225	S	5		⊗	⊗	⊗									X	X	NO				⊗
9	KM-19-W-1209		1315	W	7		X	X	X									X						
10	KM-20-3-1209	↓	1330	S	5		X	X	⊗									X	X	NO				⊗

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by	Chris Brown	Amec	12/23/09	1650	KM-17-2-1209 & KM-17-W-1209 volume for MS/MSD
Received by					See HOLDS
Relinquished by					⊗ Added 1/6/10. DB.
Received by					
Relinquished by					
Received by					
Reviewed by/Date		Reviewed by/Date			Chromatograms with final report ☐

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Amec-Geomatrix
Project Number: 14697
Project Name: Tasya Gray
Project Manager: Kelly Moore
Sampled by: Chris Brown

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☒ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 12-170

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270D / SIM	PAHs by 8270D / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	cPAHs HOLD					% Moisture
11	KM-20-7-1209	12/23/09	1335	S	5		⊗ NO		⊗										X NO					⊗
12	KM-20-W-1209		1415	W	7		X		X										X					
13	KM-21-3-1209		1445	S	5		X		X										X					
14	KM-21-7-1209		1450	S	5		X		X										X					
15	KM-21-W-1209		1530	W	7		⊗		⊗										X NO DB					
																			⊗ CB					

	Signature	Company	Date	Time
Relinquished by	Chris Brown	Amec	12/23/09	1650
Received by			12/23/09	1650
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:
SEE HOLDS
⊗ Added 1/6/10. DB

Chromatograms with final report ☐

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APPENDIX E

Detailed Conceptual Costs

TABLE E-1

DETAILED CONCEPTUAL COSTS SUMMARY

Former Kelly-Moore Manufacturing Facility
Seattle, Washington

	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Total Capital Cost	$1,048,000	$960,000	$3,062,000	$2,241,000
NPV O&M Cost	$1,679,000	$393,000	$77,000	$192,000
Total Net Present Value	**$2,727,000**	**$1,353,000**	**$3,139,000**	**$2,433,000**

TABLE E-2

ESTIMATED CAPITAL COSTS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

	INITIAL COSTS			ALTERNATIVE 1 Site Wide DPVE		ALTERNATIVE 2 Hot Spot DVPE, Biosparge		ALTERNATIVE 3 Site Wide ISCO		ALTERNATIVE 4 Hot Spot ISCO, Biosparge	
	CONTRACTOR	**Unit**	**Unit Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**
1	**Mobilization/Demobilization**										
	Mobilization/Demobilization	lump sum			$75,000		$90,000		$400,000		$300,000
2	**Health and Safety**										
	Equipment	month	$1,000	1	$1,000	1	$1,000	4	$4,000	5	$5,000
	PPE, Level D	wk	$25	6	$150	6	$150	16	$400	20	$500
	PPE, Level C	wk	$75	0	$0	0	$0	0	$0	0	$0
3	**Site Preparation**										
	Utility Locates	hour	$90	12	$1,080	12	$1,080	12	$1,080	12	$1,080
	Site Security	linear foot	$4.00	0	$0	-	$0	-	$0	-	$0
	Temporary Facilities	month	$100	-	$0	-	$0	-	$0	-	$0
	Stormwater Management	day	$200	-	$0	-	$0	-	$0	-	$0
4	**Surveying**										
	Surveying	day	$2,000	3	$6,000	3	$6,000	1	$2,000	3	$6,000
5	**Monitoring/Injection Well Installation**										
	Concrete Cores	ea	$275	36	$9,900	36	$9,900	3	$825	22	$6,050
	Install MW: Sched 40 PVC, 2"-diam. 15' depth	ea	$1,800	36	$64,800	36	$64,800	3	$5,400	22	$39,600
	IDW	LS	$40	8	$320	8	$320	1	$40	5	$200
	Abandon Monitoring Wells	ea	$500	36	$18,000	36	$18,000	3	$1,500	22	$11,000
6	**Excavate and Dispose Soils (PCBs & cPAHs)**										
	Concrete Demolition	square foot	$3.25	250	$813	150	$488	150	$488	150	$488
	Concrete Disposal (6-inch thick)	CY	$27	5	$125	3	$75	3	$75	3	$75
	Excavation	ton	$20	167	$3,333	100	$2,000	100	$2,000	100	$2,000
	Waste Disposal (non-hazardous)	ton	$39	167	$6,500	100	$3,900	100	$3,900	100	$3,900
	Waste Transportation (non-hazardous)	ton	$8	167	$1,333	100	$800	100	$800	100	$800
	Confirmation Sampling (PCBs)	ea	$100	10	$1,000	5	$500	5	$500	5	$500
	Import Backfill and Placement	ton	$35	167	$5,833	100	$3,500	100	$3,500	100	$3,500
	Grading	square yard	$2	28	$56	17	$33	17	$33	17	$33
	Concrete Surface, reinforced, 6-inch thick	square foot	$10	250	$2,500	150	$1,500	150	$1,500	150	$1,500
7	**Multi-Phase Vapor Extraction**										
	Pilot Study	LS	$8,000	1	$8,000	1	$8,000	-	$0	-	$0
	Installation/Tear Down	LS	$15,000	1	$15,000	1	$15,000	-	$0	-	$0
	Concrete Demolition	square foot	$3.25	3,600	$11,700	3,600	$11,700	-	$0	-	$0
	Concrete Disposal (6-inch thick)	CY	$27	67	$1,800	67	$1,800	-	$0	-	$0
	Trenching (2' deep, trench, backfill, compact)	LF	$18	1,800	$32,400	1,800	$32,400	-	$0	-	$0
	Piping	LF	$3	1,800	$5,400	1,800	$5,400	-	$0	-	$0
	Grading	square yard	$2	400	$800	400	$800	-	$0	-	$0
	Concrete Surface, reinforced, 6-inch thick	square foot	$10	3,600	$36,000	3,600	$36,000	-	$0	-	$0
	DPVE & Treatment Skid	month	$7,000	36	$252,000	12	$84,000	-	$0	-	$0
	Carbon (initial fill; 800#) w/labor	vessel	$2,500	2	$5,000	2	$5,000	-	$0	-	$0
	Sewer Connection on property	LS	$3,000	1	$3,000	1	$3,000	-	$0	-	$0
	Modify Existing Discharge Permit Fee	LS	$3,000	1	$3,000	1	$3,000	-	$0	-	$0
	PSCAA Filing Fee	LS	$1,000	1	$1,000	1	$1,000	-	$0	-	$0

TABLE E-2

ESTIMATED CAPITAL COSTS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

				ALTERNATIVE 1		ALTERNATIVE 2		ALTERNATIVE 3		ALTERNATIVE 4	
INITIAL COSTS				Site Wide DPVE		Hot Spot DVPE, Biosparge		Site Wide ISCO		Hot Spot ISCO, Biosparge	
CONTRACTOR		**Unit**	**Unit Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**
8	**In Situ Chemical Oxidation**										
	Geoprobe Rig	day	$4,600	-	$0	-	$0	112	$515,200	64	$294,400
	Concrete Coring (per point)	each	$135	-	$0	-	$0	1,120	$151,200	640	$86,400
	Washington State Injection fee (per point)	each	$100	-	$0	-	$0	1,120	$112,000	640	$64,000
	Regenox	pound	$2.25	-	$0	-	$0	264,915	$596,059	153,915	$346,309
9	**Biosparge**										
	Indoor air survey	LS	$5,000	-	$0	1	$5,000	-	$0	1	$5,000
	Compressor Skid	yr	$1,500	-	$0	36	$54,000	-	$0	36	$54,000
	Manifold	LS	$3,000	-	$0	-	$0	-	$0	1	$3,000
	Concrete Demolition	square foot	$3.25	-	$0	2,000	$6,500	-	$0	2,000	$6,500
	Concrete Disposal (6-inch thick)	CY	$27	-	$0	37	$1,000	-	$0	37	$1,000
	Trenching (2' deep, trench, backfill, compact)	LF	$18	-	$0	1,000	$18,000	-	$0	1,000	$18,000
	Piping	LF	$3	-	$0	1,000	$3,000	-	$0	1,000	$3,000
	Grading	square yard	$2	-	$0	222	$444	-	$0	222	$444
	Concrete Surface, reinforced, 6-inch thick	square foot	$10	-	$0	2,000	$20,000	-	$0	2,000	$20,000
	Installation/Tear Down	LS	$3,000	-	$0	1	$3,000	-	$0	1	$3,000
	SUBTOTAL				**$572,843**		**$522,090**		**$1,802,500**		**$1,287,279**
	Sales Tax	9.5%			$54,420		$49,600		$171,240		$122,290
	SUBTOTAL				**$627,263**		**$571,690**		**$1,973,740**		**$1,409,569**
	Contingency			25%	$156,820	25%	$142,920	30%	$592,120	30%	$422,870
	SUBTOTAL, Contractor				**$784,100**		**$714,600**		**$2,565,900**		**$1,832,400**
PROFESSIONAL TECHNICAL SERVICES											
	Permitting	LS	1		$60,000		$60,000		$60,000		$60,000
	Engineering design costs	%		12%	$94,090	12%	$85,750	6%	$153,950	8%	$146,590
	Construction Management	%		8%	$62,730	8%	$57,170	6%	$153,950	6%	$109,940
	Project Management	%		6%	$47,050	6%	$42,880	5%	$128,300	5%	$91,620
Subtotal, Professional Services					**$263,870**		**$245,800**		**$496,200**		**$408,150**
TOTAL INITIAL COST					**$1,048,000**		**$960,400**		**$3,062,100**		**$2,240,600**

Notes:
1. 2011 Dollars.
2. Costs are +50% -30%.
3. 40 hour work week; 22 days/month.
4. Level D PPE.
5. Soil is non-hazardous waste.
6. Soil 1 bank cubic yard = 1.8 tons.
7. Soil, 1 BCY = 1.20 LCY.
8. Concrete/Asphalt 1 cubic yard = 2 tons.
9. Backfill costs assume delivered and placed.
10. Assumes adequate power is available on site and where needed.
11. Power, water, and sewer are operational at the facility.
12. Assumes a 20' ROI for DPVE, 15' ROI for injections.
13. Assumes biosparge following DPVE can use the same infrastructure.

TABLE E-3

ESTIMATED O&M COSTS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

	ANNUAL COSTS			ALTERNATIVE 1 Site Wide DPVE		ALTERNATIVE 2 Hot Spot DVPE, Biosparge		ALTERNATIVE 3 Site Wide ISCO		ALTERNATIVE 4 Hot Spot ISCO, Biosparge	
	CONTRACTOR	**Unit**	**Unit Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**	**Quantity**	**Cost**
1	**Multi-Phase Vapor Extraction**										
	Site Inspection	ea	$800	16	$12,800	16	$12,800	-	$0	-	$0
	Discharge Fee (no Capacity Charge)	1,000 gal	$6.43	56,765	$365,278	18,922	$121,759	-	$0	-	$0
	Electrical	mo	$1,000	12	$12,000	12	$12,000	-	$0	-	$0
	Media (800#/vessel) w/labor	vessel	$2,500	24	$60,000	16	$40,000	-	$0	-	$0
	Carbon Change-out Oversight	ea	$1,000	24	$24,000	16	$16,000	-	$0	-	$0
	Discharge Sampling - Water, inc. analysis	ea	$1,000	4	$4,000	4	$4,000	-	$0	-	$0
	Discharge Sampling - Vapor, inc. analysis	ea	$1,000	12	$12,000	12	$12,000	-	$0	-	$0
	ANNUAL TOTAL				**$490,078**		**$218,559**		**$0**		**$0**
2	**Biosparging**										
	Electrical	mo	$75	-	$0	12	$900	-	$0	12	$900
	Site Inspection	ea	$800	-	$0	16	$12,800	-	$0	16	$12,800
	ANNUAL TOTAL				**$0**		**$13,700**		**$0**		**$13,700**
3	**Groundwater Monitoring**										
	Labor - GW Sampling and Reporting (8 wells)	round	$5,000	1	$5,000	1	$5,000	1	$5,000	1	$5,000
	Confirmation Sampling (TPH-G, VOCs)	ea	$275	9	$2,475	9	$2,475	9	$2,475	9	$2,475
	Confirmation Sampling (metals)	ea	$135	9	$1,215	9	$1,215	9	$1,215	9	$1,215
	TOTAL PER EVENT				**$8,690**		**$8,690**		**$8,690**		**$8,690**
4	**Project Management**										
	Project Management	LS	$10,000	1	$10,000	1	$10,000	1	$10,000	1	$10,000
	ANNUAL TOTAL				**$10,000**		**$10,000**		**$10,000**		**$10,000**

Notes:
1. 2011 Dollars.
2. Costs are +50% -30%.
3. 40 hour work week; 22 days/month.
4. Power and water are operational at the facility.
5. 8 wells monitored per sampling event, plus one duplicate.
6. Site-wide carbon change-out is 1/month for 2 vessels. Hot spot change-out is 2 vessels/1.5 months.
7. DPVE produces 3 gpm/well.
8. Assumes air stripping is feasible for GW treatment from DPVE.
9. Monthly air samples and quarterly discharge samples for DPVE.

TABLE E-4

NET PRESENT VALUE ANALYSIS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

Year	DPVE, Biosparge & Project Management	Groundwater Monitoring	10% Contingency	Yearly Total	Escalated Total
Alternative 1					
1	$500,078	$17,380	$51,746	$569,204	$586,280
2	$500,078	$17,380	$51,746	$569,204	$603,868
3	$500,078	$17,380	$51,746	$569,204	$621,984
4		$34,760	$3,476	$38,236	$43,035
5					
6					
7					
8					
9					
10					
				Escalated Total	$1,855,167
				NET PRESENT VALUE	$1,678,786
Alternative 3					
1	$10,000	$17,380	$2,738	$30,118	$31,022
2	$10,000	$34,760	$4,476	$49,236	$52,234
3					
4					
5					
6					
7					
8					
9					
10					
				Escalated Total	$83,256
				NET PRESENT VALUE	$76,923

Year	DPVE, Biosparge & Project Management	Groundwater Monitoring	10% Contingency	Yearly Total	Escalated Total
Alternative 2					
1	$228,559	$17,380	$24,594	$270,533	$278,649
2	$23,700	$17,380	$4,108	$45,188	$47,940
3	$23,700	$17,380	$4,108	$45,188	$49,378
4	$23,700	$17,380	$4,108	$45,188	$50,859
5		$34,760			
6					
7					
8					
9					
10					
				Escalated Total	$426,827
				NET PRESENT VALUE	$393,360
Alternative 4					
1	$10,000	$17,380	$2,738	$30,118	$31,022
2	$23,700	$17,380	$4,108	$45,188	$47,940
3	$23,700	$17,380	$4,108	$45,188	$49,378
4	$23,700	$17,380	$4,108	$45,188	$50,859
5		$34,760	$3,476	$38,236	$44,326
6					
7					
8					
9					
10					
				Escalated Total	$223,525
				NET PRESENT VALUE	$192,255

TABLE E-5

ISCO INJECTION DETAILS
Former Kelly-Moore Manufacturing Facility
Seattle, Washington

CENTRAL AREA					
HOT SPOT - Soil			**HOT SPOT - GW**		
Area of treatment	2,200	sf	Area of treatment	5,000	sf
Treatment zone Thickness	10	ft	Treatment zone Thickness	10	ft
Porosity	35%		Porosity	35%	
Number of Injections (15' ROI)	4		Number of Injections (15' ROI)	8	
Soil (ppm)			**GW (ppm)**		
Benzene	0		Benzene	4.7	
Toluene	50		Toluene	8.9	
Ethylbenzene	297		Ethylbenzene	27	
Xylenes	1,840		Xylenes	36	
TPH-G	24,667		TPH-G	85	
SUM	26,854		SUM	161.6	
TPH Mass	51,201	lbs	TPH Mass	177	lbs
Mass of RegenOx	52,800	lbs	Mass of RegenOx	22,400	lbs
Volume RegenOx (5% soln)	58,080	gal	Volume RegenOx (5% soln)	24,640	gal
Pore Volume	57,596	gal	Pore Volume	130,900	gal
Number of Injection Events	53		Number of Injection Events	12	

NORTH AREA					
Soil			**GW**		
Area of treatment	5,300	sf	Area of treatment	5,300	sf
Treatment zone Thickness	10	ft	Treatment zone Thickness	10	ft
Porosity	35%		Porosity	35%	
Number of Injections (15' ROI)	10		Number of Injections (15' ROI)	10	
Average Soil Concentration (ppm)			**GW (ppm)**		
Benzene	0		Benzene	0	
Toluene	0		Toluene	0.004	
Ethylbenzene	0		Ethylbenzene	0.031	
Xylenes	0		Xylenes	0.018	
TPH-G	7,100		TPH-G	0.95	
SUM	7,100		SUM	1	
TPH Mass	32,613	lbs	TPH Mass	1	lbs
Mass of RegenOx	78,600	lbs	Mass of RegenOx	115	lbs
Volume RegenOx (5% soln)	86,460	gal	Volume RegenOx (5% soln)	127	gal
Pore Volume	138,754	gal	Pore Volume	138,754	gal
Number of Injection Events	32		Number of Injection Events	1	

OUTSIDE AREAS					
OUTSIDE AREAS - Soil			**OUTSIDE AREAS - GW**		
Area of treatment	17,000	sf	Area of treatment	19,800	sf
Treatment zone Thickness	10	ft	Treatment zone Thickness	10	ft
Porosity	35%		Porosity	35%	
Number of Injections (15' ROI)	20		Number of Injections (15' ROI)	16	
Soil (ppm)			**GW (ppm)**		
Benzene	0		Benzene	0	
Toluene	11		Toluene	0	
Ethylbenzene	131		Ethylbenzene	1.8	
Xylenes	513		Xylenes	1879	
TPH-G	3200		TPH-G	15	
SUM	3,855		SUM	1895.8	
TPH Mass	56,797	lbs	TPH Mass	8201	lbs
Mass of RegenOx	90,100	lbs	Mass of RegenOx	20,900	lbs
Volume RegenOx (5% soln)	99,110	gal	Volume RegenOx (5% soln)	22,990	gal
Pore Volume	445,060	gal	Pore Volume	518,364	gal
Number of Injection Events	19		Number of Injection Events	6	

Notes:
1. Mass of Regenox was estimated by Regenesis and includes both Part A (oxidant) and Part B (activator)
2. 35% porosity.
3. RegenOx injected as a 5% solution.
   Per RegenOx Design Manual - 20 pounds (oxidant+activator)/22 gallons water is 5% solution.
4. Number of injection events is estimated assuming RegenOx is injected at 25 pounds/foot.

Abbreviations
ft = feet
gal = gallon
GW = groundwater
lbs = pounds
ROI = radius of influence
sf = square feet
TPH = total petroleum hydrocarbons